



The

HEMIST AND DRUGGIST

RETAILER - WHOLESALER - MANUFACTURER

d 1859

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(continued overleaf)

DEX TO ADVERTISERS

& Hanburys, Ltd. Front (can Roland Corporation	love
can Roland Corporation	XV
ny Trading Supplies, Ltd.	. xxi
aboratories, Ltd.	. ix
aboratories, Ltd.	. 12
,, , , , , , , , , , , , , , , , , , , ,	
ohn, Hills & Lucas, Ltd. Leader	Page
fartin, Ltd.	. 4
Pure Drug Co., Ltd.	. 10
dia. Ltd	xvi
onn, Hills & Lucas, Ltd. Leader fartin, Ltd. Pure Drug Co., Ltd. dia, Ltd. Dr., Laboratories Communication of the	. 8
Cod Liver Ons (Hull & Grinsby), Ltd	. с
Dyewood Co., Ltd.	. iv
Dyewood Co., Ltd. Surgical & Drug Co., Ltd.	. xxii
ı, Malcolm & Co., Ltd.	xiii
n, Ltd.	. 8
ne Burbidges & Co., Ltd	j
gh, James, Ltd. Leader	Page
ghs Wellcome & Co.	. 27
W. J., & Co., Ltd.	. 19
Ltd.	
ts, M., (Chemists Sundries), Ltd.	XX
tric Indicator Laboratories	. 12
dated Glass, Ltd.	xxi
dated Glass, Ltder Reclamation Co., Ltd.	vii
her Recovery Service	vii
ntal Laboratories, Ltd.	24
Laboratory, Ltd.	25
rthur H., & Co., LtdCov	er iv
s, Sons & Co., LtdCov	er iii
Richard, & Son, Ltd	11
rn (1923), Ltd.	xviii

INDEX(contd.)
Denver Chemical Mnfg. Co. 16 Devon, D O'D Isolated Distribution Stephing
ility emational Chemical Co
De Verminators, Ltdesistotarodal lanoitarratev
Doche, Emile DJA OOXXI
Drugs & Toilets (Pty.), Ltd.
Doche, Emile btl oction of the Drugs & Toilets (Pty.), Ltd. btl for the Drugs & Toilets (Pty.), Ltd. btl for the Brown of the Drugs & Toilets (Pty.), Ltd. btl for the Brown of the Drugs & Toilets (Pty.), Ltd. btl for the Brown of the Brown
Edwards Harlene, Ltd. xx
Electric Lamp Manufacturers Association appears viii
Esden Bright & Co. S. Henry Vii Evans, Adlard & Co., Ltd. Vii Evans Medical Supplies, Ltd
Evans, Adlard & Co., Ltd. vii
Evans Medical Supplies, Ltd
Excel Proprietary Co
Liquinure Sales
Tagmure cares by the state of t
Favell, T. J., & Co., Ltd.
Field, C. W., Ltd.
Fassett & Johnson. Favell, T. J., & Co., Ltd. Field, C. W., Ltd. Finegan, J., & Son bit dood natical Flenovak, Ltd. Franco-British Electrical Co., Ltd. cot & mosongal Freudenthell, Smith & Co. it mosnian to the field of t
Flenovak, Ltd.
Franco-British Electrical Co., Ltd. 251018 3 401 201
Fuber Itd
Furmoto Chemical Co (Factors) Ltd Town Tiegram
Turnoto Chomicar Co. (Pactors), Deciman Avii
New Era Treatment ('o., Ltd.
Gardner, W., & Sons (Glos.), Ltd. stanbard sillingii Gifford, John, Ltd. xxi
Gifford, John, Ltd. xxi
Graesser, R., Ltd. htt. paladatated nonsylvi Graesser Salicylates, Ltd. htt. oz (ii Griffiths Hughes, E., Ltd. 24
Griffiths Hughes, E., Ltd. 24
Parke, Davis & Co O altro
Harley T Ltd , btd Judirosk
Harley, T., Ltd. b. indirest Hirst, Stuart, Ltd. b. indirest Hirst, Stuart, Ltd. b. indirest indirect individual individ
Hogg, M. C., & Co. Lit. ad Lieuder Page
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eader ige

ige

14

XX

a ge

INDEX—(contd.)

International Chemical Co., Ltd. International Laboratories, Ltd. Ioco, Ltd.	
Janssen's Herbal Tablets, Dr. Jeffreys, Miller & Co., Ltd. Johns, Son & Watts, Ltd.	26 10 xvi
Keenedge, Ltd. Khan, S.	xxi 10
Leciferrin, Ltd. Leda Chemicals, Ltd. Liquinure Sales Lofthouse & Saltmer, Ltd.	22 12 xv 10
Macleans, Ltd. Martin, Bob, Ltd. Matthews, S., & Co., Ltd. Meggeson & Co., Ltd. Menley & James, Ltd. Midgley & Parkinson, Ltd. Morgan Korda & Co., Ltd.	14 9 15
New Era Treatment Co., Ltd. Nutilis Products Leader 1	1 Page
Organon Laboratories, Ltd. Oxo, Ltd.	$\begin{array}{c} 25 \\ 16 \end{array}$
Parke, Davis & Co. Cov Percenta, Ltd. Perihel, Ltd. Pharmaceutical Laboratories, Geigy, Ltd. Potter & Clarke, Ltd. Preemo & Silks, Ltd.	iii

Price,	A. S	& Co.,	Ltd.	
Prince	Rege	nt Tar	Co.,	Ltd.

Rankin Bros. & Sons Ltd. L
Rendell, W. J., Ltd Revai & Co., Ltd.
Riddell Products, Ltd. Roche Products, Ltd.
Ronaldson, J., & Co., Ltd.
Salem (Pulverized Tragacanth), Ltd.
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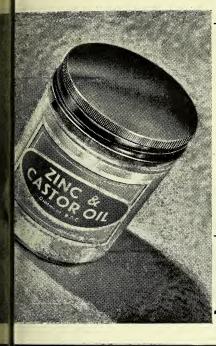
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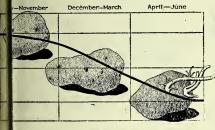
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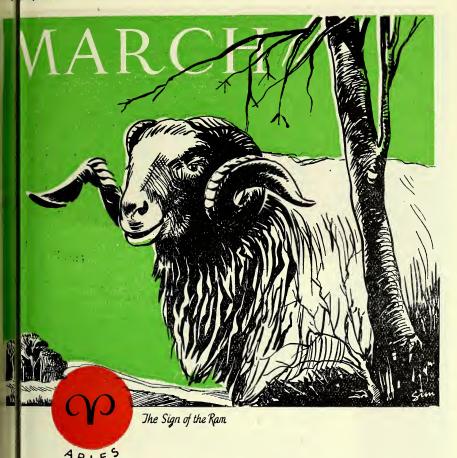
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Chemicals

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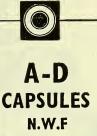
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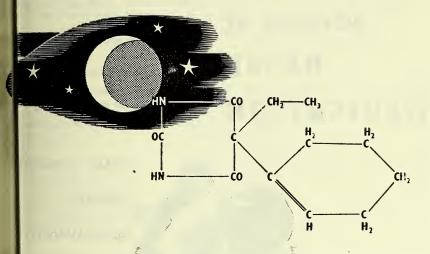
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	CONT	ENTS	
	Page		Page
ths	266	Mr. Mallinson in the North-West	268
siness Changes	265	News of the Week	257
emistry of Cold-Water Waves	269	Ointment-Base Design	272
ning Events	288	Overseas Trade News	282
npany News	262	Personalities	263
respondence	281	Pharmaceutical Society of Ireland	:
aths	266	Council Meeting	278
sign to Win Trade	277	The Week in Parliament	267
itorial Articles :		Topical Reflections	261
Rickets and its Remedy	275	Trade Marks	288
An Employee's Spare Time		Trade Notes	264
Opportunity for Redesign	275	Trade Report	283
ects of Bombing on Health		Treasurer Responds at Stoke Ding	ner 267
gal Reports	260	United States Penicillin	287
rriages	266	Wills	266
_			

NEWS OF THE WEEK

ernational Health Conference.—The Ecomic and Social Council of United ns Organisation on February 20 de ed that the date of its international ne n conference should be June 10, and the meeting-place should be Paris.

c Transactions Decontrolled.—Under rder brought in by the Ministry of y and effective as from February 11, cquisition and disposal of talc and hyllite are no longer regulated. Copies Order, the Control of Talc and Pyrote (No. 2) (Revocation) Order, 1946 & O. 1946, No. 210), may be obtained H.M. Stationery Office.

inges in Enemy Traders List.—
ules adding further names to, deleting a from, or amending previous schedules rading with the Enemy (Specified ns) Amendment Orders are included a latest (No. 14) Amendment Order, us issued by the Board of Trade and ive as from February 12. Copies of the order (S.R. & O. 1946, No. 183) may be of its order (S.R. & O. 1946, No. 183) may be of its order of two proces.

Key Industry Duty Exemption.—The Treasury has made an Order under Section 10(5) of the Finance Act, 1926, as amended by subsequent enactments, and in force from February 26, exempting from Key Industry Duty until August 19, 1946, the following: R. acid carbolic; acid carbolic (synthetic); alcohol isopropyl, unrefined, containing not less than 0.5 per cent. by weight of ketones; R. benzophenol; benzo-phenol (synthetic); phenol (synthetic); R. phenol; the following bornyl ester, namely, isobornyl thiocyanoacetate. (S.R. & O., 1946, No. 232). Copies of the Order, The Safeguarding of Industries (Exemption) (No. 1) Order 1946, are obtainable, price one penny each, from H.M. Stationery Office.

Conference Papers.—Arrangements are being made for the British Pharmaceutical Conference to meet in London during the summer, and the programme will include a Science Session for the reading and discussion of research papers. The secretaries invite communications from research workers on subjects of practical pharmaceutical

interest. Papers accepted for the Conference will be published in the "Quarterly Journal of Pharmacy and Pharmacology," and authors will be entitled to a limited number of reprints. Authors are asked to make their papers as concise as possible, and a maximum of 4,000 words (or approximately ten pages of the "Quarterly Journal") is suggested.

Derby Branch.—At a meeting of the Derby Branch of the Pharmaceutical Society on February 20, Mr. Charles Beavan, Ph.C., gave an address on "The Riddle of Allergy." With lantern-slide illustrations he described anaphylaxis, antigens, antibiotics, histamine, drug and physical reactions in allergy, its diagnosis and treatment. Questions and comments followed.

Employee Pharmacists.—At a meeting of the council of the National Organisation of Employee Pharmacists held in London on February 19 under the chairmanship of Dr. H. Davis, Messrs. W. S. Benjamin and J. R. Elliott were co-opted to the council. A subcommittee was formed to prepare a draft programme of work to be published at an early date, and a forthcoming meeting of delegates with the Organisation Committee of the Council of the Pharmaceutical Society was discussed.

President at Manchester.—Mr. J. C. Young (president of the Pharmaceutical Society) addressed a meeting of the Manchester Pharmaceutical Association and Branch of the Society on February 21, Mr. H. Brindle in the chair. He spoke of "The Future of the Chemist's Shop," linking the future of the pharmacy with the pharmaceutical service brought about under the new National Health Service. He discussed many of the problems that would have to be faced in the next few months. A vote of thanks was proposed by Mr. J. H. Franklin, seconded by Mr. W. Wilkinson.

Bournemouth Pharmaceutical Association.—At the annual meeting of the Association on February 6, the following officers and committee were elected:—President, Mr. M. Fay; Vice-president, Mr. A. Owen; Secretary, Mr. H. Ridehalgh; Secretary, National Pharmaceutical Union Branch, Mrs. A. Rogers; Treasurer, Mr. E. H. Barnet; Association Committee, Mr. D. Dalis Jones (ex-officio), Messrs. N. K. Phillips, L. Sloper, A. Robinson, J. Jones, L. Shore, and A. Thomas; N.P.U. Committee, Messrs. F. Attwell, C. Morgan, D. Jones, and N. K. Phillips. After the election

of officers, a pharmaceutical "quiz" c tes was held between teams from Bos nb and Winton.

Welcome-home and Presentations.— to function held at the works of the C Laboratories (British Colloids, Ltd.), ors Road, Park Royal, London, N.W. of February 19, the chairman and direct the company welcomed back members the staff who had been serving in M Forces (these constituted over 50 per of the 1939 personnel). During the event of the chairman (Captain R. C. Kelly, C E. made presentations to the following members of the staff who had company the staff

Vitamins Talk at Hull.—At Hi February 15, Mrs. E. A. Brock (president, Hull Chemists' Assoc introduced as the speaker Dr. Frank who gave a lecture on "Vitamins.' Speaker described the part vitamin played in maintaining the nation's during the war. By balance in diet been possible to cut down the consumof food brought from overseas, while ing approximately the same proportiquantity of vitamins. He describe the vitamin contents of various food affected by storage and cooking and his vitamin requirements of individuals according to age, sex, employmer circumstances, illustrating his poin means of graphs. Mr. J. J. Small prose

Morecambe Dinner-dance.—Near attended a dinner-dance organised Lancaster and Morecambe Branch Pharmaceutical Society—the first sit war—held recently in Morecambe R. S. Hardy, M.P.S., acted as toast and M.C. Mr. H. Lewty, Lancaste posed "The Chairman." Mr. W. Tson, responding, emphasised the nest for continued friendly co-operation at the members of the profession. Allan, Torrisholme, proposed "The Bisaying he considered it had beer active during the previous year tany other time since he had come town eleven years ago. Mr. R. Heysham (secretary), responded Smith (Bate & Gorst) proposed Ladies" and Miss Westwood, what managed Mr. E. Tomlinson's He

shop during the war, responded.

lag, games and competitions, organised Mr. Hardy, followed.

t Committee's Chairman at Walsall.—
dress on "Current Pharmaceutical
m, J.P. (a member of the Pharmala Society's Council and National
aceutical Union Executive) to a
tendance of members of the Walsall
of the Pharmaceutical Society on
by 19. He dealt fully with the
H.B. Business Purchase and Guarantee
and reported upon the Joint Committerview with the Minister of Health
neurin Bevan). Over £200,000 had
biscribed towards the Fund's target
fo,000 he said. Magnificent support
ad en received from chemists already in
us, who were not likely to benefit,
and is clearly showed confidence in the
of pharmacy. Following the intertiev thad been suggested that a joint
ttee should be formed to speak
the voice for pharmacy. He hoped the
om the would be formed, and was
beat to say that the Pharmaceutical
condition. Alderman Charles Jackson proless to the Speaker as an ideal repretieved the speaker as

In J. B. Shelley presided at the meeting.

Posillin Demonstration to Pharmacists.

A Winwick, Lanes, county mental l, on February 14, thirty Warrington clists attended, at the invitation of edical director (Dr. J. E. Nicole, D.B.) a demonstration of the technique of coensing penicillin. The demonstration as given by the hospital pathologist Dr. Sharp). The speaker said she felt ateur addressing specialists but, so are the pharmaceutical processes themselved were concerned, they were obviously in the pharmaceutical processes themselved in the pharmaceutical processes themselved

of inhibited growth around the point of introduction of each sample of solution under test were clearly visible. Keen discussion and questions at the close of the demonstration enabled the lecturer to clear up many points of difficulty, and each pharmacist present was provided with formulas and methods of preparation of all penicillin preparations in use at the hospital. Mr. -R. H. Sutton (chairman) and Mr. E. W. Twiss (secretary) of the Warrington Chemists' Association pressed the thanks of the visitors to Dr. Sharp for her instructive demonstration, and to Miss J. A. Thompson (pharmacist at the hospital) through whose co-operation the visit had been made possible. visitors were afterwards entertained to tea.

W.D.T.A. Luncheon.—At the Wholesale Drug Trade Association's luncheon held in London on February 19 the retiring secretary (Mr. Arthur Mortimer), was presented with a pair of period silver candelabra, and a cheque subscribed by member-firms and individuals. The chairman (Mr. Stanley W. Whiffen) said the fact that there were now 134 members of the association, against sixty at its formation, well expressed the feeling they all had for Mr. Mortimer. The chairman recalled some of the complex legislative problems that Mr. Mortimer had dealt with during his fifteen years of service with the Association. The success of Mr. Mortimer's negotiations with Government departments, he said, had been borne out most clearly by the fact that he had been invited early in the war to accept the post of Deputy Director of Medical Supplies, and that his services had been recognised by his being decorated with the Order of the British Empire. Mr. Geoffrey E. Howard, supporting the chairman's remarks, spoke of the breadth of Mr. Mortimer's knowledge of the drug trade and of the comfort, assurance and sound advice which he had succeeded in giving to members who approached him personally with problems. Mr. Mortimer voiced his warm appreciation of the sentiments that had been expressed, and of the gifts he had received. He thanked the members for the help they had given him both in the Association and in his post at the Ministry of Supply. "The Guests" was proposed by the vice-chairman (Mr. I. V. L. Fergusson), and Mr. Hugh N. Linstead, responding, expressed the opinion that the future of national trade associations would rest upon the harmony with which they could work together with Government departments.

LEGAL REPORTS

Current Used for Advertising.—At Brentford, Middlesex, recently, Onroy Frow, M.P.S., 2 Parklands Parade, Bath Road, Hounslow, was fined £5 for using electricity in his pharmacy for advertising purposes.

Pharmacy Act Fine.—At Wisbech, on February 14,4 Douglas Hutson, 96 Norfolk Street, was charged with selling poison not being authorised to do so, and with selling the poison in a container not labelled in the prescribed manner. A plea of guilty was entered. The sale was of a proprietary medicine for the relief of asthma and containing ephedrine. Defendant carried on a business in Wisbech in proprietary medicines, toilet preparations, etc., but had no qualification; he had been in business for fifteen years. The sale was effected by an assistant. The magistrate held that defendant was responsible for the actions of his assistant and fined him £5 in each case, with £2 2s. advocate's fee.

Pharmacist's Evidence in Murder Trial.-In the course of a trial at the Central Criminal Court, Dublin, Eire, on February 15, when sentence of death was passed on Agnes McAdam, single, aged fifty-three, Derrylusk, Ballybay, co. Monaghan, after she had been found guilty of murdering a sixty-five-year-old farmer with strychnine, Henry Manley, M.P.S.I., Ballybay, gave evidence of sale of the strychnine. He said that on June 16, 1942, he sold the prisoner 16 grains, for which she signed the poisons register, saying the strychnine was for the destruction of rats on her farm; he had known her for twenty years. Mr. Manley said he usually gave people a warning to be careful when using strychnine, but he was not compelled to do so. The State Pathologist said that, according to the symptoms, about one grain of the poison caused the murdered man's death. An analyst stated that he found gr. 0.55 strychnine in a cake on the premises.

Company Director in Conspiracy Charge.—At Marlborough Street, London, police court recently Samuel Charles Bolsom, Portsea Hall, Edgware Road, London, who was described as a director of Charles André, Ltd., cosmetic wholesalers, Half Moon Street, W., was summoned by the Director of Public Prosecutions for conspiring, between January 1943 and December 1945, with certain persons to obtain their release from military service "on insufficient medical grounds." It was alleged that in three cases Bolsom procured

a bottle of so-called medicine which wa obe taken before the men went to see A y doctors or medical boards. It was a redubrown liquid, which on analysis was ft d to be a strong emetic, capable of cau g violent sickness. In his alleged intent Bolsom was stated to be "singuly unsuccessful," as the men were still serve. The men were introduced or sent to som who, so far as counsel knew, had medical qualifications. It was alleged at Bolsom told one of them "You f halong £150 and consider yourself ou of the army." Evidence having been call, the hearing of the case was adjourned r seven days.

Light Paraffin Supplied as Medicina -At Croydon, on February 19, Berou Al t Tuschner, Mark Lane, London, E.C., Is summoned as the person responsible f a sale, on November 26, 1945, by s. Deirdra Thompson, proprietor of a g store at London Road, Croydon, of medial liquid paraffin not of the nature, substite and quality demanded by the purch r. The material was stated to be, in fact, it liquid paraffin. Tuschner pleaded gi, and a summons against Mrs. Thom, 1, taken out by the Croydon Corporan before the full facts were known to t 1, was dismissed. The bench held that le seller had exercised due care and wa 1nocent of any knowledge of committin a offence. For the Corporation it was stid that the price of medicinal paraffin is. od. for an 8-oz. bottle, which was price paid by the purchaser (a san y inspector), whereas the price of a silver bottle of light paraffin would be is Light paraffin had not the same lubric | § qualities as medicinal and might (** irritation. Mrs. Thompson was show have bought the paraffin from her husball who traded as a wholesale chemist and had had transactions with Tuschner for years without previous complaint. I. Thompson had been assured by the fendant's report, when placing the car, that the paraffin was of B.P. standard it had been invoiced as medicinal par For the defendant it was stated that In realising that a mistake had been mad wrote to all his customers, advising what the correct description should be offering to accept whatever was retu The chairman, who commented on le number of unqualified persons three whose hands the paraffin had passed posed a fine of f_{10} , with f_{3} 3s. costs.

TOPICAL REFLECTIONS

F Students

he advice sometimes given-indeed of a given, I trust—to young students to their trade papers thoroughly, comes to ind on looking through your last week's is . Three items in it form a first-rate The first item is the table of at piotics on pp. 236-37. The second item is ne abstract on Professor G. A. H. B le's address at a London meeting of th Pharmaceutical Society (pp. 238–40). Phassor Buttle speaks with the authority of research worker in physiology and pl nacology: his account of war-time pr ess in therapeutics may be read with the ssurance that it is not a mere selection fre text-books, but a survey based on in ate knowledge. The third item is your ed rial comment on Paludrine (p. 243): Al entices and young assistants will find it their advantage to make themselves ac unted with these items, and to follow up a books and periodicals the subjects me oned. We occasionally hear it said or su sted that science is not wanted in joi alism, but that all we need there is hir towards earning a few more pounds or sh igs a week. I do not sympathise with the ttitude. Many of the advances made in redicine have an importance for ph racy: thus it is incumbent on those wh are engaged in the manufacturing, wh sale or retail trades to be au fait with ch of medical discovery as is necessary eir own purposes.

Ex inations in Northern Ireland

Pharmaceutical Society of the distribution of the examination reports received at its recent could il meeting (p. 247). Congratulations are so due to the successful candidates and the cachers for the results obtained. It is not rprising to find that there were a few were spots. In physics, for instance, "the stand of work was on the whole rather low than it has been in recent examination." A further comment shows that can tates were, as a rule, less well equipped in ctricity than in other departments of phys. Why this should happen is difficult derstand. I am glad to read that gy and prescription-reading were Apropos of posology, I trust that in ext Pharmacopeia a satisfactory adjust int of dosage between the dry ext ts of belladonna and of hyoscyamus will made. As most of your readers are

aware, the B.P., 1932, gives the same maximum and minimum doses for each, though the former is standardised at three times the alkaloidal strength (calculated as hyoscyamine) of the latter. This anomaly was discussed by Dr. C. H. Hampshire in an address reported in your issue of February 4, 1933. As Dr. Hampshire pointed out, these two drugs and their preparations may contain alkaloids in different proportions, and prescribers follow their clinical experience without much regard to alkaloidal content. Whether any significant research has been carried out since 1933 on the pharmacology of these drugs (and of stramonium) I do not know. But from the dispensing point of view the present official dosage of these two extracts is unsatisfactory. It amounts to saying: "One extract is three times as strong as the other, therefore let the range of doses be identical." To say the extracts may be used for different purposes does not meet the objection.

Dosing the Elephant

The gaiety of nations is increased by Mr. A. H. Hale's reference to the thousand elephant tonic pills dispensed in Siam (p. 226). The preparation of elephant medicines may well be less difficult than their administration. On reading your report my thoughts turned to the death of Chunee, the elephant in Cross's menagerie at Exeter Change in the Strand (near its junction with Wellington Street), a building demolished in 1830. A newspaper dated March 6, 1826, gives a long account of this event, which had taken place five days earlier. The elephant, an inmate of the menagerie for seventeen years, was showing signs of madness, and its owner decided that it must be killed. Evidently it was becoming a white elephant. An attempt was made to poison it by administering an unspecified quantity of corrosive sublimate in "a mess of hay." We are not told how the mixture was The report continues: effected. sagacity of the animal was, however, proof against this attempt, for he no sooner smelt the mixture than he rejected it, and it was therefore determined to shoot him." Two soldiers were lent from Somerset House (of stamped medicine fame), and rifles were also supplied to about twelve other persons. If the report may be believed, 152 bullets were fired before the beast fell. Its skeleton was sent to the museum of the Royal College of Surgeons. Xrayser.

COMPANY NEWS

G. O. WOODWARD & CO., LTD. (P.C.).—Capital £1,000. Manufacturing chemists, etc. George O., Winifred M., and Eliza E. Woodward, directors. R.O.: 146 Larkhall Rise, London, S.W.4.

FINLEY-KALE, LTD. (P.C.).—Capital £500. Chemists' sundriesmen, chemists and druggists, etc. Charles Kale, M.P.S., and Sidney Finley, directors. R.O.: Argyle House, 29–31 Euston Road, London, N.W.1.

Donegall Pharmacy, Ltd. (P.C.).—Registered in Belfast. Capital £500. To carry on the business of chemists, etc. James B. McElvogue and Nial Brannigan, Ph.C., directors. R.O.: 88 Donegall Place, Belfast.

British Photographic Industries Export Sales, Ltd. (P.C.).—Capital £100. Exporters, importers and manufacturers of and dealers in photographic appliances and apparatus, etc. Directors to be appointed. Solicitors: Stephenson Harwood & Tatham, 16 Old Broad Street, London, E.C.2.

Thomas (Portishead), Ltd. (P.C.).—Capital £2,500. To acquire the business of a chemist carried on by Trevor C. Thomas, at The Pharmacy, High Street, Portishead, Somerset, and to adopt an agreement with George E., Margaret E., and Trevor C. Thomas. Directors and R.O.: As above.

R. A. C. SINGLETON, LTD. (P.C.).—Capital £1,000. To acquire the business of a chemist carried on by Elsie G. Singleton at The Colonnade, Hawkhurst, Kent, as "R. A. C. Singleton." Elsie G. and Aubrey B. Singleton, M.P.S., directors. R.O.: As above.

MILTON THERAPEUTICS EXPORT, LTD. (P.C.).—Capital £50,000. The company has been formed to develop the export of the products of the Milton group of companies on an intensive scale, H. S. Clough, Sir Martin Hall, Bart., William Stannard and A. E. Berry, directors. R.O.: 10 and 11 Brewery Road, London, N.7.

MILTON ANTISEPTIC, LTD.—Final ordinary dividend of 10 per cent. is announced, making 15 per cent. (same) for the year.

Aspro, Ltd.—Interim dividend of 10 per cent. actual, less income tax, on the ordinary stock, has been declared in respect of the year ending June 30, 1946.

BORAX CONSOLIDATED, LTD.—Mr. A. J. Somers, Ph.C., F.R.I.C., has been appointed to the board. Mr. Somers, who has served

with the company for twenty-five year has been sales manager since 1940.

DUFAY-CHROMEX, LTD.—The directed announce that as the scheme of arrangement has become effective, it has be decided to pay a dividend of 6 per cen less tax, upon £180,000 6 per cent. cumu tive first preference stock in respect of the period of twelve months to February 1946, to all first preference stockholder. The company proposes to issue to each find preference and ordinary stockholder, all later than March 18, a statement gived details of the holding after putting in effect the provisions of the scheme.

SOUTHALLS (BIRMINGHAM), LTD.—Tr ing profit for the year ended December 1945, amounted to £221,360, compa with £279,116 in the previous year. Der ciation amounted to £34,758 (£33,968); damage, £796 (£1,718); E.P.T., £5, (£60,000); income tax, £90,000 (£82,7) leaving £90,106 (£82,730). Income frinvestments amounted to £22,515 (£18,0) The directors recommend a final divided of 10 per cent., less tax, making 20 per cent., less tax, out of income from invents. £48,087 is transferred to rese (£34,000); forward, £42,580 (£42,396).

SAVORY & MOORE, LTD.—The direct report for the year ended March 31, 19 shows that the total profits available appropriation are £76,909, which includes the balance brought forward f the previous account and also the bala of preference shares issue premium. directors have made the following ap priations: Provision for taxation, £40,5 preference stock dividends, already parts £14,034; balance carried forward, £22, The directors do not recommend any a tion to the general reserve this year. Ty have made a further provision of fic o for deferred repairs. The correspon g provision last year was £5,000 and e directors' estimate of the liabilities deferred repairs and retail shops decora is now covered by this total provision £15,000. In view of the uncertaintie of the future, the directors consider it prunt to continue to strengthen the compa's reserves and surplus. Therefore, the not propose the payment of a dividen n the ordinary stock, the majority of veh is owned by the directors. The direct 10 retire is Mr. John E. Saul, who ers himself for re-election.

PERSONALITIES

Mr. M. FAY, this year's president of the urnemouth Pharmaceutical Association, ved his apprenticeship with Mr. Henry



Ford Davies, M.P.S. (Prosser & Co., Cardiff). He studied at the Welsh College of Pharmacy, Cardiff, 1928-29, gaining the College pharmaco-gnosy prize and bronze medal for dispensing. He qualified in London in 1929, and opened his business at Sea Road, Boscombe, a year

r. He was treasurer of the Bourneith Branch of the Pharmaceutical Society several years. Mr. Fay is well known in mming circles in Wales, having repreted that country in all its water polornationals from 1925 to 1930.

IR. J. RESTRICK, Ph.C., former chief stant at the Royal Victoria Hospital, fast, has been appointed chief dispenser.

IR. W. WOLFENDEN, M.P.S., has been ted president of the Fleetwood Chamber rade.

LDERMAN C. A. CRITCHLEY, J.P., Ph.C., been re-elected president of the Black-1 Guardian Society for the Protection rade.

[AJOR J. G. MOTT, R.A.M.C., only son of T. J. Mott, M.P.S., Hanley, has been rded the Military Cross for distinguished ice in North-west Europe.

R. STEPHEN CASEY, son of Mr. A. L. y, The Medical Hall, Lisnaskea, co. nanagh, recently passed his final medical mination at Queen's University, Belfast, thern Ireland.

R. J. McM. Cole, L.P.S.I., chief disser at the Royal Victoria Hospital, ast, has retired after forty-six years' ice.

R. JOHN S. PRIOR, M.P.S., is contesting t Stamford No. 3 Division in the forthing elections for the Kesteven, Lincs, ty Council. He is the retiring member.

R. CHARLES B. ARAM, M.P.S., The en, Boothby Graffoe, Lincoln, is withopposition in the Navenby division in the forthcoming County Council election in Lincolnshire.

Mr. Cornelius Bayley, M.P.S., Sunnyside, Uppingham, is not standing for reelection in March to the Uppingham, Rutland, rural district council.

W. Bro. W. M. Cox, Ph.C. (a director H. Ferryman, Ltd., wholesale chemists, Southampton) was installed as Worshipful Master, Southampton Lodge, No. 394, on February 21.

MR. JOHN SEWELL, M.P.S.I., Killarney, was responsible for the transport arrangements in connexion with the visits of Cardinals Spellman and Tien to Killarney, and for the transport of some eighty American guests around the Lakes of Killarney.

Mr. E. W. Godding, M.P.S., this year's president of the Chemists' Friends Association (see C. & D., February 23, p. 236), served his apprenticeship in 1917-20 at Ryde, Isle of Wight, with Mr. E. W. Pollard, B.Sc., Ph.C., from whom he received a pharmaceutical training that included "the making of many galenicals, including such preparations as tinct. hyoscyami and spt. ætheris nitrosi." 1920-21 he was an unqualified assistant at Perkins & Co., Piccadilly, London. After a course at the London College of Pharmacy he qualified in 1922, immediately joining the representative staff of Burroughs Wellcome & Co., with whom he remained until He then joined the representative staff of the Crookes Laboratories, whose senior representative he became in 1939. At the commencement of the war in that year he was given special duties that included research work and liaison with Government departments. Work on the production of an instrument for testing dark-adaptation resulted in his presenting a paper before the Royal Society of Medicine in November 1944. He is the author or part author of numerous other papers similar subjects, and in 1944 was appointed manager of the professional information department, the Crookes Labo-Since 1941 he has represented the company on the Chemists' Friends Association, and has been closely concerned in the development of a policy of selection of products admitted to the C.F. list, together with the steps taken to implement that policy (as in the setting up of a Standards Committee). Portrait, p.273.

TRADE NOTES

Supplies of Glandular Products.—A. Revai & Co., Ltd., 7–8 Idol Lane, London, E.C.3, offer glandular products, chaulmoogra oil and natural menthol crystals.

Bottles for Export.—Consolidated Glass, Ltd., 17 Collingham Gardens, London, S.W.5, offer a range of bottles suitable for the export of pharmaceutical products, toilet and perfumery articles.

Sun Glasses.—Flenovak, Ltd., Fulwood House, Fulwood Place, High Holborn, London, W.C.1, are in a position to supply sun glasses for both export and home requirements.

Combined Pollen Vaccine.—Literature and prices relating to Pollergen (Duncan) are available on application to the manufacturers, Duncan, Flockhart & Co., Edinburgh and London. The indications for treatment are seasonal hay fever and coryzal asthma.

In Ample Supply.—The makers of Taxol (Continental Laboratories, Ltd., 101 Great Russell Street, London, W.C.1) state that ample supplies are available of this preparation. Any retailer who experiences any difficulty in obtaining stocks should communicate direct with the makers.

Vitamin B Complex.—Attention is drawn by John Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1, to their Beplex series of preparations (elixir and capsules), based on vitamin B complex with added thiamine hydrochloride and riboflavin.

Supply Policy.—Edwards Harlene, Ltd., 58 Gough Street, London, W.C.1, state that, although supplies of Harlene preparations are less plentiful than as manufacturers they would like, every effort is being made to ensure that retailers receive supplies on an equitable basis.

Three Varieties of Shampoo.—Esden, Bright & Co., 355-57 Hackney Road, London, E.2, champion Valmar soapless shampoo as "the fastest-selling product of its kind." The speciality is available in three varieties: Brunette; chestnut and auburn; and fair. Supplies are restricted.

Carton Costs.—Pointing out that before the war their average yearly increase in output was 15 per cent., against an increase for the whole carton industry of 5 per cent., Boxfoldia, Ltd., Bournbrook, Birmingham, attribute their success to the company's policy of basing prices strictly on production costs. DDT Liquid Spray.—Leda Chemicals, I., 94 Archway Road, London, N.19, can way supply from stock Leda DDT liquid sprage specially prepared for household use. e preparation is non-inflammable, non-poil sous and non-staining, and ready for in state use. Samples are available owholesalers.

Nylon Control Change.—Control of esupply of Nylon Monofil for the manuface of brushes is to terminate on March to After that date application for supershould be made to Imperial Cher all Industries, Ltd. (Plastics Division), European Control, Black Fan Road, Wein Garden City, Herts.

Export Company Formed.—Splet r, Ltd., Nottingham, have formed an expression of the export sale of Propax tablets and other specialities, equiries should be addressed to Splet Export (England), Ltd., Weekday (s, Nottingham. Price lists and samples reavailable to confirming houses with suitle overseas contacts.

Unauthorised Perfume.—It has brought to the notice of Mr. G. R. Du proprietor of Old Drury Perfumery 13 Sackville Street, London, W.I., prepacked perfumes bearing the name ld Drury Perfumer Co. and Old Drury fumery Co. have recently been offer the trade. Mr. Dutton states tha prepacked perfumes have been issue by the Old Drury Perfumery Co., since the company in April 1941, and pack bearing the name of this composition of the trade has not been authority offered to the trade has not been authority and company with which he is associated.

Colourless Tar Cream.—Recently duced by Genatosan, Ltd., Loughbor h, Leicestershire, Genatosan dermatol al cream No. 19 (colourless tar cream) preparation which presents the ingredients of coal tar in an emu ed ointment base. It is stated to be free om the irritant and inert substances that ve been shown to be present in coal tar aus eliminating the risk of dermatitis foll ng prolonged use. Besides being colo the preparation has a pleasant odo is non-staining, and, being water-miscil readily removed from the skin. he makers announce that they are preed to compound Constoan colourless to compound Genatosan colourless any combination of medicaments tha ay be required by physician or pharmaci

cks of Mepacrine and Pamaquin.—It is ed out by Pharmaceutical Specialities (N & Baker), Ltd., Dagenham, that their acrine brand mepacrine hydrochloride Praequine pamaquin played an import part during the war in maintaining the ealth of members of the Forces serving at d. With the return to this country of the cepersonnel, the company suggests pharmacists should carry stocks of product to meet the urgent requests to arise. A reminder is given that the Control of Cinchona and Cinchona ucts and Synthetic Substitutes (Nos. I an) Orders, the user of these preparations is uired to hold a certificate of a registered al practitioner or a document issued by Government department showing that suffering or has suffered from malaria.

s for "Music-while-you-Work."—An ar gement made during the war between th fovernment and owners of copyrights in fusic, whereby the performance of mile and gramophone records, by radio or of wise, could be given in a wide variety of emises without payment of individual lic e fees, terminated on February 24. Overs of factories who wish to continue th erformance of the radio feature "Music W . You Work" must make individual ar gements with owners of copyrights, m of whom are represented by either the Pe rming Rights Society, Ltd., 33 Marga Street, London, W.I, or Phonographic Permance, Ltd., 144 Wigmore Street, on, W.I. In certain circumstances it me be possible to obtain rebates from the lic e fees through the Relay Service As iation of Great Britain, 25 High Street, Tu ridge Wells.

Printer Articles Trade Association

litions to Protected List.—The Crookes
La atories (British Colloids, Ltd.), Collosol
iot oil, I oz., 12s. doz., tax 2s. doz., inclusive
ret price 1s. 8d.; 4 oz., 4os. doz., tax 6s. 8d.
do l.r.p. 5s. 7d. Crookes emulsion, 8 oz., 3s.,
24 oz. (exempt from tax). All other medicinal
pre letary products of the Crookes Laboratories
med ed in the company's current price list are
pre ted through the P.A.T.A. at prices quoted
in list.

nto Laboratories, Ltd., Plesolax laxative tal s, 18s. doz., tax 3s. doz., i.r.p. 2s. 6d. G. '. (Granto's intestinal bulk treatment), 18. oz., tax 3s. doz., i.r.p. 2s. 6d. Gluconon, 2s. ., 18s. doz. (exempt from tax). Saspre B vit in condiment, 1s. 6d., 12s. doz. (exempt fro tax). The Emmet Distributing Co., Ltd., arc longer distributors of Granto products.

BUSINESS CHANGES

HAETAM, LTD., removed on March 4 to 63 Corporation Street, Manchester, 4. Telephone: Blackfriars 3882.

HORMONES & CHALONES, LTD., and the Cavendish Pathological Laboratory are removing on March 4 to Bishop's Cleeve, Cheltenham, Glos.

Mr. E. C. Bamford has been released from service with the Forces and is resuming his appointment as northern representative of Howards & Sons, Ltd., Ilford.

The telegraphic address of the London house of Evans Medical Supplies, Ltd., 50 Bartholomew Close, E.C.1, has been altered to "Evansmed Cent London."

Mr. A. A. Kenningham points out that his appointment is with John Sanger & Sons, 258 Euston Road, London, N.W.I, and not as previously stated. [Corrected note].

Aspro, Ltd., Slough, Bucks, state that there is no truth in rumours, to which publicity has recently been given, that the business is being amalgamated with or taken over by any other concern.

Major F. Graham Webb, R.A.O.C., has been released from the Forces after over four years' military service and has resumed his duties as propaganda representative with British Schering, Ltd., 185 High Holborn, London, W.C.I.

Mr. W. V. Rudderham, M.I.Ex., has been appointed export manager of Moore Medicinal Products, Ltd., Aberdeen.

Medical Bottle Supplies, Ltd., are removing on March 4 to Brook House, 191 Tottenham Court Road, London, W.1. Telephone: Museum 1166.

Mr. Charles H. S. Blakey, M.S.M.A., Scotter Common, Gainsborough, Lincs, and 19 Eastcheap, London, E.C.3, announces that he is no longer acting as sales organiser for Sangene Products, Ltd. He is shortly introducing a nationally advertised series of products for sale by chemists.

Major R. C. Warner, R.A.M.C., a director of John Gosnell & Co., Ltd., perfumers, The Old Brewery, Southover, Lewes, Sussex, has rejoined the company after six years' war service. Major Warner served in North Africa, Italy, Egypt, Syria and Palestine and was twice mentioned in dispatches.

BIRTH

TINEGATE.—At Woodside Nursing Home, Woodford, Essex, on February 21, Dorothy (née Dee) the wife of John Tinegate, M.P.S., 15 Hatch Terrace, Hatch Lane, Chingford, of a daughter (Mary).

MARRIAGES

Donaghey—O'Rorke.—At Ballymena, Northern Ireland, on February 14, Mr. Hugh Donaghey, M.P.S.N.I., 10 Ballymoney Street, Ballymena, to Eileen O'Rorke

McCoubrey—Johnston.—At Garvagh Presbyterian Church, co. Derry, Northern Ireland, on February 19, Mr. John McCoubrey, Ph.C., Hillmount, Cullybackey, to Sarah Dorothy Johnston, M.P.S.N.I., Bellury, Garvagh.

DEATHS

Baker.—On August 5, 1945, while a prisoner-of-war at Pakanbaroe, Sumatra, Mr. Norman Baker, M.P.S., 2 Snowdon Road, Bournemouth West, formerly of Manchester, aged twenty-six.

BLACKLEDGE.—On February 14, Mr-Albert Blackledge, M.P.S., 52 Park Road, Chorley, Lancs, aged fifty.

Henry.—Recently, Mr. David Henry, M.C., Fern Avenue, Lenzie, Glasgow, a director of Imperial Chemical Industries, Ltd., India.

JARDINE.—Recently, Mr. David Jardine, M.P.S., formerly of 6 Hopfield Parade, Byfleet, Surrey. Mr. Jardine qualified in 1013.

LUNN.—On February 4, Mr. Thomas Wilmot Lunn, Meadow Road, Worcester, aged sixty-eight. Mr. Lunn qualified as a chemist and druggist in 1912.

Martin.—On February 16, after a short illness, Mr. F. A. Martin, B.E.M., aged seventy-nine. Mr. Martin entered the business of Howards & Sons, Ltd., Ilford, in 1881, and was for many years warehouse foreman at Stratford. On the outbreak of war in 1939 he expressed a wish to "see it through" and only failing health at the age of seventy-eight compelled him to retire before the war was ended. He received the award of the British Empire Medal in the New Year's Honours list of 1944 in recognition of his unstinting and efficient war service. Mr. Martin was within two years of his diamond wedding. At the age of sixty-three he learned to drive a car, and motoring remained, apart from his work, his chief hobby up to 1939.

SAUL.—On February 8, Mr. Willia Osborne Saul, Southbourne-on-Sea, Han aged eighty-six. Mr. Saul qualified as chemist and druggist in 1881.

YORK.—At Barnard Castle, co. Durha on February 12, Mr. Frank York, forme of Liddlebank, Canonbie, Dumfriesshi aged seventy-five. Mr. York qualified a chemist and druggist in 1891 and as pharmaceutical chemist the following ye

Walters.—Recently, Mr. James Lev Walters, M.P.S., Llanboidy, Whitlay Carmarthenshire. Mr. Walters qualified 1887.

WILLS

MR. ALEXANDER WISHART DRUMMO: M.P.S., The Tors, Falkirk, left perso estate in Great Britain valued at £12,34

Mr. Ernest Hartmann Smith, M.P 39 High Street, Gosport, Hants, left £9.3 with net personalty £5,152.

Mr. Alexander Ralley, M.P.S., Mar Place, Langholm, left personal estate Great Britain valued at £6,698.

Mr. Robert William Barnett, F.R.I 6 Sunbury Avenue, East Sheen, left £12,8 with net personalty £11,399.

MR. Alfred Thomas Styles, M.P 54 Briarwood Drive, Northwood, Middles left £791, with net personalty £758.

MR. NICOL MILLER CRAIG, M.P.S., 5 W Savile Road, Edinburgh, left personal est in Great Britain valued at £5,510.

MR. THOMAS HENRY SEED, M.F 41 Montague Road, Bournemouth, £10,881, with net personalty £6,554.

MR. ARTHUR ALWYN DEAN, M.F 67 Horninglow Road, Burton-on-Trent, £5,541, with net personalty £3,870.

MR. WILLIAM FELTON, M.P.S., 2 No ampton Park, Islington, London, N.I., £1,856, with net personalty £1,144.

MR. FRANK BAKER, M.P.S., St. Cuthbe London Road, Devizes, Wilts, left $f_{1,i}$ with net personalty f_{26} .

MR. ARTHUR JOHN ORME, 68 Portl Road, Hove, pharmacist, left £8,024, venet personalty £5,802.

Mr. John William Thorpe, M.I. Coleville, Bradford Road, Stanning Leeds, left £7,720, with net person £6,068.

MR. GEORGE WEBSTER MANGAN, M.I., 86 Learnington Terrace, Edinburgh, personal estate in Great Britain value £21,292.

THE WEEK IN PARLIAMENT

STEPHEN TAYLOR asked the President he Board of Trade on February 18 if he aware that retail chemists in the idon area were still demanding medical ificates before supplying rubber hot er bottles, and whether he would take is to bring to their notice that they no ger had any authority to do so and thus id waste of time by both the public and doctors. SIR STAFFORD CRIPPS: Yes. ailers have no authority to demand lical certificates before supplying hot er bottles. But if a rubber hot water the is, in the opinion of a patient's tor, necessary for the purposes of treatnt, it is desirable that a medical certification in the priority.

ss Containers for Export

lass containers for export was the ject of a question by Flying-Officer wden, who asked the President of the rd of Trade on February 18 if he was are that firms manufacturing polishing

preparations for the export market were handicapped through the shortage of glass containers. SIR STAFFORD CRIPPS referred Flying-Officer Bowden to a previous reply in which he explained that it was administratively impracticable to have a priority scheme for glass containers applicable to individual export orders.

Question on D.D.T.

On February 21, Mr. Austin asked the Minister of Health whether he was satisfied that the commercial and domestic use of D.D.T. was in no way injurious to the public health, in view of the limited knowledge of its application. Mr. Bevan: I am advised that, according to present knowledge, there is little risk attaching to the use of D.D.T. in the form in which it is commonly used, namely as a powder or a watery suspension. Further investigations are proceeding into the toxicity of D.D.T. in oily solution. In any form, D.D.T. should be kept away from food, since taken internally it is harmful.

TREASURER RESPONDS AT STOKE DINNER

ifirst annual dinner and dance of the th Staffs Branch of the Pharmaceutical iety since 1939 was held in Hanley on ruary 21, when a company of about 180 mbled.

roposing "The City of Stoke-onnt," THE CHAIRMAN (Mr. F. Gartside) ke of the city's world-wide fame as a tre of ceramic art, and said that in the ms of engineering, literature, art and rt, Stoke-on-Trent could boast of many strious sons. THE LORD MAYOR OF KE-ON-TRENT suitably replied.

IR. J. COPE (chairman, Stoke-on-Trent urance Committee) submitted "The irmaceutical Society of Great Britain." outlined the Society's history, and said irmacists had done their job so well that y need have no qualms of conscience in ming generous representation on comtees appointed to control and administer future National Health services. The poser paid tribute to Mr. H. C. Shaw. Responding, Mr. H. C. Shaw said mbers' association with the proposer of toast through the local Insurance Comtee and the local pharmaceutical war nmittee had always been cordial, and all sted that, under the new health scheme, ould be continued. "Mr. Cope's efforts to our men back from the Forces were also much appreciated." He (Mr. Shaw) had not been inactive in the matter. He had suggested to the Central Pharmaceutical War Committee that, owing to pharmacy's being a reserved profession during the early part of the war, members of the Society, through no fault of their own, had higher group numbers than they otherwise would have had, and asked for a concession. The plea had not been successful, but the suggestion had been made that the three Service representative should be invited to attend a meeting of the Committee.

As pharmacists, what was their background, and where did they stand in relation to the new schemes for a National Health Service? Although, until 1933, membership of the Pharmaceutical Society had been voluntary, the Society had prospered. To-day, there was a high standard of entrance; the Society administered part of the Pharmacy Acts; there were a code of ethics and a Statutory Committee. If, on that present high standard, pharmacists were permitted a fair amount of latitude and control, then the goodwill would be there to give a first-rate pharmaceutical service under the new health scheme.

"Our Guests" was proposed by Mr. John Martin, M.P.S., Mr. E. Downward responding. Dancing followed the dinner.

MR. MALLINSON IN THE NORTH-WEST

The policy of the National Pharmaceutical Union in relation to post-war pharmacy was discussed by Mr. G. A. Mallinson (secretary of the Union) in an address given at a special district meeting in Liverpool on February 20, to which all N.P.U. members in the N.W.3 and W.I areas had been invited. Mr. H. Steinman, Manchester (a member of the N.P.U. Executive), also attended, and Mr. J. L. Hirst was in the chair.

Every Major Enterprise a Success

Mr. G. A. Mallinson, who this year completes twenty-five years as secretary of the N.P.U. and fifty years in pharmacy, said members of the Union could take pride in the fact that the N.P.U. had succeeded in every one of its major enterprises, and had put pharmacy in the position it ought always to have occupied. The Business Purchase and Guarantee Fund, a bold venture, looked like being a huge success. The target was £250,000, towards which £210,000 had been obtained up to January, the bulk of the money (over 90 per cent.) from the retail section of the trade. The N.P.U. had other ideas it hoped to develop when conditions became more normal. Many people thought that, because the war was over, they at headquarters were out of their troubles. Conditions were actually more difficult. What was wanted in pharmacy was more unity-less segregation of the proprietor-pharmacist from the rest. All qualified pharmacists were members of the Society, and the N.P.U. could not speak for all of them any more than could the Society. The N.P.U. had been created to perform a specific task, and in doing that had helped the Society on more than one occasion.

Pharmacists had to make up their minds about their position under the national health services. Some postulated the new plan as an opportunity to make pharmacy into a profession by dissociating dispensing under the Government scheme from the retailing side of the business. "That means ruination for the shopkeeping pharmacists, for it is no use their thinking it is, or will be, possible to conduct a chemist's shop successfully without any dispensing. We can practise pharmacy—professional pharmacy—just as efficiently in the shop pharmacy as in the dispensary." Those who cherished the idea of professional status, said Mr. Mallinson, were not always the best judges of what constituted a

profession, and they forgot that the rem eration of the man so employed was jud from his value outside the job rather the from the inside. Thus, under the Government scheme, if a man had not a substan value outside the service, his value inswould be comparatively low.

Pharmacists' Opportunity

In the National Health Service phan cists would have the opportunity of prov to the public their competence to give first-class service. The first few years wo be a testing period. If chemists did not g the service which the public needed, would be provided somewhere else, bu chemists did their work as they could de and gave the public the quality of serv which they were quite capable of providi there would be no need for them to wo about developments in the health cent It was no use pharmacists assuming t the national health service was someth about which they could dictate either to Government or to the public. He feathere would be a period not far distan he put it at five years-when chem would be fighting for business, as they I done in the years 1938-39. The pharma who did not lay himself out to take on national health service might not then able to hold a substantial business at If chemists failed to embrace the opp tunities presented to them at the out of the scheme, they might never h another chance.

Circularisation of Doctors Impracticable

Mr. A. Durrant (president, Pharmacists' Association) asked Mallinson if the N.P.U. would circula doctors on the correct way of writ prescriptions in which D.D.A. ingredie were specified. Mr. Mallinson rep. that the N.P.U. would like to help, but it not practicable to circularise all the doct of the country in the manner suggest What about the Crosby Association it circularising the doctors, as the difficulty was not general? Discussion disclosed t difficulty arose over the actual number repeats of a prescription and the interv between them. One member said that prescription marked "repeat" could repeated any number of times, but it desirable that the prescription should left in the possession of the chemist.

Mention was made of the inadequ remuneration of chemists when they l to ovide expensive proprietary medicines ag st prescriptions on which they were all ed merely the ordinary dispensing fee Ir. Mallinson said it was hoped to get it the cost-price basis. It was intended to k for a profit on the drugs, plus a dis using fee. The profit on the drugs she I go towards the overhead of the buss, and the dispensing fee should be ment for professional service. He had he of one case where a pricing office ha assed accounts for £300 for supplying spe I medicines and vaccines to one pat. What the chemist got out of them was mall.

I. E. A. Briggs asked what would be

E. A. Briggs asked what would be the osition of the-high class dispensary under the national health service. Mr. Mallinson replied that, in the early stages of the service, there might be reason for anxiety, but he was convinced that there would be a great increase in the number of prescriptions brought in.

"Can we come to an agreement with the multiple concerns?" he was next asked. Mr. Mallinson: There is every possibility of coming to an agreement if we will do

what they want us to do.

Alderman W. J. Tristram J.P., who seconded a vote of thanks proposed by Warrington, alluded to the Mr. Hill, success of the Business Purchase Guarantee Fund. It had been possible to arrange for earlier transfer of businesses.

CHEMISTRY OF COLD-WATER WAVING

RE NTLY there have been introduced a nu er of processes for applying permanent wa to hair without the use of heat. The ses derive from researches initiated in a country but developed commercially to ar greater extent in the United States. All pend upon molecular rearrangements but about entirely by chemical means.

Str ure of Cystine Molecule

cystine molecule present in hair has tw nino and two carboxyl groups. Each of see can and does take part in the for tion of adjacent molecules, the result bei a sort of molecular rope-ladder or net rk. Regarded edgewise, the long mo iles are not a continuous straight line but ided or oscillatory in character, with-out ikage of the molecules in the plane of the lid. In this plane there is friction bet en molecule and molecule, which is red ed when the molecules become wet and vollen. If, then, the cystine linkages vollen. If, then, the cystine linkages care oken down while the hair is in that and the strands of hair wound or the the resulting wave can be held ade to remain if cystine linkages can ated in new relative positions of the hain molecules. This happens in the ry heat-waving processes, and can be that about chemically in the cold. To the chemical (cold) process commerworth while, compounds must be all limits of time set by the customer's the hairdresser's shop. They must be innocuous in the circumstances in they are employed.

I whole process has been described by sor Speakman (University of Leeds) eries of articles given during 1945 in

the "Hairdressers' Weekly Journal." By means of a reducing agent, the SH groups which result when the cystine molecule is broken down can be reunited in three distinct ways after the structure has relaxed. First, hydrogen peroxide causes re-forming of the cystine molecule (in the new positions). Secondly, metal salts (e.g. zinc chloride) cause an atom of the metal to be interposed between two S atoms. Finally an organic compound containing two or more reactive halogen atoms interposes an ethylene group between the two S atoms.

Choice of Reducing Agent

The three reactions described have given rise to different processes of cold-water waving, the first (i.e., with reducing agents) Choice of being at present preferred. reducing agent, however, is vitally impor-Calcium sulphide is unsafe because it attacks the root ends and acts as a depilatory. Potassium and sodium hydrosulphides are safer but of unpleasant odour-Organic sulphides have therefore been investigated, and of these thioglycollic acid (HS-CH₂-COOH), with ammonia added as an accelerator, has been used. This, too, is unpleasant in odour and has the added disadvantage that in using it the operator The only needs to wear rubber gloves. reducing agents which, on balance, appear to be free from objections are sulphites and bisulphites, provided the pH of the solution is carefully controlled. It is these compounds which are most widely in use to-day in cold waving processes.

Avoiding Waste.—A new need has come for every possible economy if we are to recover our commercial position.

EFFECTS OF BOMBING ON HEALTH

A REPORT recently prepared by the U.S. Army Medical Sciences Branch reviews the effect of Allied bombing on health and medical care in Germany. In most cases the death rate rose in proportion to the increase in tons of bombs dropped and to the number of consecutive months in which comparatively heavy raids were carried out. Seldom did a high death rate accom-

pany a low bomb tonnage.

The most frequently encountered causes of death were (1) external injury, e.g., burial under rubble and debris and injury from flying fragments; secondary injuries through explosions (drowning, scalding, chemical burns, poisoning from by-products of exploded bombs); burns; and tetanus secondary to burns where no serum was given prophylactically; and (2) internal injury, e.g., carbon monoxide poisoning in air-raid shelters and during rescue work; conduction and radiation in the presence of very high temperatures; overheating over a prolonged period of time through temperatures which, normally, could be tolerated for short periods only; dust inhalation (blocking of the upper respiratory passages and inhalation with damage to the small bronchi and alveoli); carbon monoxide poisoning from bursting gas mains; sudden heart death through fright and exhaustion in cardiac patients; and blast injuries in which internal injuries might be absent or which might be masked by external injuries.

Carbon Monoxide Deaths

Police engineers in Hamburg had estimated that temperatures in the burning city blocks went as high as 800°C. (1472°F.). Literally hundreds of people were seen leaving shelters after the heat became intense. They were seen to collapse slowly like people utterly exhausted. Many thus killed were found to be naked; two explanations had been offered: that flames spurted across the street with the speed of a tornado and consumed the victims' clothing, or that the intense heat made the clothes dissolve without actual fire. Most of the people were not burnt to ashes when recovered, but dry and shrunken, resembling mummies. In many the intense heat had caused the skin to burst and retract over typical areas such as the elbow, the knee, and scalp, and the orbit. Carbon monoxide death assumed such an importance that the high command of the Luftwaffe issued an order to examining commissions to procure statistical evid to the In death resulting from burial in rule carbon monoxide poisoning was often he real cause of death. In all the estimated carbon monoxide poisoning regarded as the primary cause of death or injury, sometimes comprising as mu as 80 per cent. of all incendiary raid casua s.

Communicable Diseases

Typhus fever did not appear in Ge in cities until foreign labourers had len imported and labour camps establid. It was generally believed that the incred incidence of typhus in Germany durin he war was attributable to foreign we rs from eastern countries where the dise is endemic. Diphtheria showed a m ed increase in 1940 and 1941 (before he bombing of Germany began), an inc se corresponding to the periodic increa in diphtheria known to occur in E pe every three to five years. By 1941, npulsory immunisation for children, ad voluntary immunisation for adults, ad been instituted by national decree, th the result that there was less diph ria and that of a more benign form. ere was no indication of any relationip between intensity of air attacks and cidence of poliomyeletis (infantile para s) epidemic meningitis and enceph is, smallpox, dysentery, or measles. The resistance of the people had been ch lowered.

In the bombed cities there was a late increase in scabies and head lice own doubt, to overcrowding in the aid shelters. Study of captured German ments and the bulletin of the public lits service indicated that there had be major epidemics despite vast destru

Perhaps the most important safe of from disease was the personal habits. They were known for their devotion to pe hygiene and their penchant for known for their devotion to pe hygiene and their penchant for known for their homes spotlessly clean and on their homes spotlessly clean and on their penchant for known for their homes spotlessly clean and on the war from the first to be the state of physicians to report communication diseases no doubt affected the state. The American investigators believe the air raids contributed somewhat an increase in scarlet fever and other stococcal infections and paratyphoid and were largely responsible for increating the incidence of typhus fever, dipht and scabies, and in the mortality whooping cough.

rub ulosis

In he cities selected as a sample for ny the rate of tuberculosis case ice increased from 133 to 207 cases o,000 population between 1938 and Similarly, more people with tuberculd died from the disease. An average persons per 100,000 in 1938 rose to 1944. Causes for the increase table indirectly to aerial bombing crowding in air-raid shelters, extons to the elements, poor housing conditions of facilities, defective milk sanitation, not ed nervous tension and nervous at labels of control over some patients who ad to leave their homes or cities. In he cities selected as a sample for

Vergal Disease

Sistical information on the prevalence and end of venereal disease in Germany and a relationship to the effect of bombing was cant and failed to give an adequate pic e of the situation. The diseases appred to have increased incidence, but ma factors were at work to account for the inc se apart from air attacks. In common wit other countries, the state of the Ge: in population during war-time, with dis ted families, a desire for release and exc ment, and money no longer a restrice factor, was conducive to greater sex promiscuity with its consequent tol increased venereal diseases. Condi-tio created by air attacks might have pla i a part in this scheme but alone hardly be held to account for the inc sed incidence. Beginning in 1941, syl is increased over the level of the ye 1939 by 170 per cent. in Munich, 20 per cent. in Frankfurt, and 100 per cei in Hamburg.

Ps liatric Disorders

itatric Disorders
iversity professors and superintenof institutions had estimated that the
educed the number of cases in mental
institutions between 32 and 54 per cent.
It as not possible to compute accurate
da because, late in 1944, the German
rnment ordered the burning of all
reds relating to enforced sterilisation,
ry' killings, and populations figures of
particular institutions. Professor Mueller,
cig, stated in May 1945 that neither
or nic neurologic diseases or psychiatric
did ders could be attributed to, nor were
conditioned by, the air attacks,
ing reaction symptoms in the sense of
physteria were not uncommon, but ne physteria were not uncommon, but

there was no increase of psychiatric cases. Professor M. Buerger-Prinz, Hamburg, said that in five instances he observed that severe depressions cleared up in the course of heavy bombings and that the subjects "did a man's job" during the rescue work but relapsed into deep depressions after four to six weeks of apparently normal health. The majority of depressed and melancholic patients remained in their stupor even with the greatest danger from fire and crashing buildings about them.

Industrial Health

Casualties in war plants were about as frequent as for the population at large. According to information obtained, fewer and fewer people had been killed at work as the aerial attacks on Germany increased in number and severity, and the number of dead and injured through aerial attack in industrial plants was not serious enough to stop production at any given time. bombardments had a direct effect on the health of the industrial worker in Germany. They were responsible for (1) irritability, fright and lack of concentration, which accounted for a high accident rate and functional disorders; (2) production of insanitary conditions of work, causing an increase in upper respiratory infections; (3) an increased need of soap due to longer working hours under poor hygienic conditions, causing an increase in pyogenic Although the and scabies. physical condition and health of foreign workers were better than those of the German industrial workers, the sick rate of foreigners was higher. Minor ailments were given the utmost attention by foreigners, and every attempt was made to be absent from work whenever possible.

Medical Supplies

When Allied bombers pulverised plants of the German medical supply industry and wrecked the railroads of the Reich the whole complexion of medical care changed. The sulphonamides grew scarce, insulin became a treasured rarity, glandular extracts disappeared, and the plan to produce penicillin (the process was well known) had to be abandoned. The surgeon fared little better in the last year of the war, when x-ray and similar equipment was usually unobtainable or destroyed, worn-out instruments could not be replaced, and a large part of the surgical dressings were made of paper or on occasion even of moss. The privations the war imposed upon the practice of medicine were mostly the consequence of bombing. They did not appear until the last summer of the European conflict because of the tight control which the national government had established over the allocation of raw materials and the distribution of medical supplies.

The drug manufacturing section of I.G. Farbenindustrie was so entwined in other activities of the organisation that it was almost impossible to trace the results of an air raid on one of the plants down to a finished pharmaceutical. When the chemical works at Ludwigshafen were hit, Leverkusen was deprived of acids necessary for drug manufacture. When Leverkusen was hit, Elberfeld could no longer obtain sulphuric acid with which to make sulphonamides. The pharmaceutical plants of I.G. Farben were left virtually undamaged by Allied air raids. The facilities that were hit could have been returned to full production within one month.

Lack of supply of essential textiles for surgical dressings caused the amount of finished material to fall from 20,000,000 metres in 1939 to 5,000,000 metres in December 1944. This was such a reduction that various Army installations had to resort to moss for use as absorbent material

on wounds. The moss was first wasl then sterilised and placed directly on e wound with a thin layer of gauze over ... As a less drastic measure, in 1944 sur houses were ordered to fill all orders r bandage with one-half the amount paper bandage and the remainder in cl In many instances, wholesalers report that they were forced to fill orders vi paper products alone, as all other stells were depleted. Surgeons were of opin that the paper bandage worked well i cases that were stationary, such as a The primary diffic under traction. occurred in ambulatory cases. Surs I instruments became increasingly diffile to obtain, as air attack interfered vitransport. In 1942 it was estimated to there were 4,000 different types of surinstruments. These types were gradu reduced, by order, until in August 1 there were less than 1,700 surgical ins ments of all kinds. In January 1 only 200 types were allowed. For s reason, which was not explained in in views, the drug, chemical and allied in tries appeared to have had a relati free rein, except in the allocation of materials a late stage.

OINTMENT-BASE DESIGN

An article on the scientific principles to be adopted in the "design and choice of ointment bases," by H. Berry, Ph.C. (Professor of Pharmaceutics, University of London), appeared in the "British Medical Bulletin" (1945. 3. 737). The author points out that remarkable advances have been made in the last decade in the production of new substances and preparations of undoubted value to the dermatolo-When oils or fats are absorbed by the skin, the main route is via the hair follicules and through the sebaceous glands. In general, the skin is impervious to most aqueous preparations, although certain medicaments, such as methyl salicylate, the mercurials and boric acid, have the property of penetration and absorption irrespective of the medium in which they occur. Against this there are a large class of medicaments which do not readily penetrate and for these the choice of base becomes important. A summary of the results of skin penetration trials is given in the adjoining table, the degree of intensity of absorption being indicated by asterisks.

If two emulsions are prepared, one waterin-oil and the other oil-in-water, using an emulsifier which is similar in constitution and with identical proportions of oil a water in the two cases, the products b

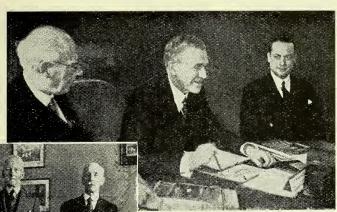
	OIL-IN-WATER EMULSIC
Oleic acid ****	
Lard***	Lard 20 per cent. Lanette wax S.X. water***
Cod liver oil ***	Lard plus triethanola
Wool fat**	plus stearic acid water***
Oleyl alcohol***	Liquid paraffin plus Lai wax S.X. plus water*
Olive oil**	Liquid paraffin plus Lar wax SX. no water**
Arachis oil**	Soft paraffin plus Lawax S.X. plus water*
Castor oil**	Soft paraffin plus Lat wax S.X. no water**
Liquid paraffin* Soft paraffin*	

homogenised to give the same dispersize, there appears to be little difference in absorption or in physical oiliness. The are the facts which, in the author's vishould be borne in mind when construction ointment-base formulas. He gives critical analysis of various emulsified agents on the market.

WS

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CTURES



EUROPEAN TRADE CONVENTION.—Representatives of eight European nations attended a five-day trade convention held in London recently by the National Cash Register Co. In the group are Messrs. H. Heimessen, Belgium; G. A. Marshall, Great Britain (vice-president); and F. N. de Castro, Portugal.



SERVICE GROUP.—Five compositors who worked as boys and men in the composing room of Thomas & Sons, Ltd., chemists' printers, Kirkstall Hill, Leeds, raphed together recently. Their aggregate service was er 200 years. All are now in retirement and enjoying the health (they walked to the works to have the photosken). Left to right: Messrs. George Eissler (aged seventy); Marriott (seventy-three); William Gervase Ford; George Barker (seventy-nine); and Harry Schofield y-one).

Right, Mr. E. W. Godding, M.P.S. (see p. 263).



DANCE.—Group photographed at a recently held dance of Clinical Products, Ltd., 2 The Green, Richmond, Surrey. The dance was held locally.

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CXLV

MARCH 2, 1946

NO. 3447

Rickets and its Remedy

T figures relating to rickets in Britain gin by Dr. Stephen Taylor in the House of ommons on February 11 are satisfactory to obody. About 24,000 British children, histimated, on the basis of x-ray tests, st suffered from rickets each year. For a eventable condition such as rickets h been proved to be this is worse than d orable, and somehow or other the means n t be found to rectify a bad state of a rs. Dr. Taylor's remedy is health e ation, and undoubtedly much can be in this direction. The advantages of h th propaganda are more widely apprec ed today than ever before, and pharmac have rightly been called upon to play tir part in it. So far as rickets is concerned, p than with other conditions that have p ibly they could play a more fruitful the subject of monographs in the I istry of Health's bulletin to pharmac.s. Chemists' knowledge of vitamin plucts is recognised and the handling of t n an everyday matter. Their experience be valuable in casting light on psycholeal aspects of the failure of many I hers to take advantage of the availability cod-liver oil compound at Ministerial d ribution centres. No doubt it is true t malt and oil, unless reinforced with a ed vitamin D, is no substitute for the istry of Food product. Such reinforcen it, however, is both practicable and a ropriate and at least such a course

would overcome certain major objections to the cod-liver oil compound, namely, its unpalatability, its unpleasantness to handle, and the fact that any stains it makes on clothing are virtually irremovable.

Can Chemists Co-operate?

To substitute a palatable and amenable product is ordinary common-sense, but even when that is done there are likely to be still some mothers who spurn the product because it is an "issue." This is an aspect that becomes almost a political issue for pharmacists, who certainly have no desire to become distributors of the preparation on its present price basis. Nevertheless the co-operation of chemists on terms that were reasonable and fair to all parties might soon result in 100 per cent. distribution of vitamin-D-containing products and the entire eradication of a scourge that should no longer be tolerated.

An Employee's Spare Time

In a recent case the Courts held that employees who were skilled and were engaged on work of a technical character were not entitled to engage on similar work during their spare time for other persons. This ruling is merely an illustration of the general principle that it is an implied term of every contract of service that the servant will serve his master faithfully and will not commit any act which would amount to a breach of good faith on his part. While one can well imagine the reasonableness of a prohibition which prevents a servant from working for a rival employer during his spare time, there must, on the other hand, be employments of a character to which this principle cannot reasonably be extended. Thus, would there be any breach of good faith if the charwoman of company A helps to clean out company B's premises on two evenings a week in her spare time?

A Question of Good Faith

The type of case usually met with where questions of an employee's good faith towards his master are concerned is where customers are solicited. It is recognised by the law, quite apart from any express agreement, that a servant may not canvass his master's customers so long as the

employment and the relationship of master and servant continue; nor may he make lists of the names and addresses of the customers with a view to future solicitation. The law frowns upon any such practice and will even order the delivery and destruction of the offending lists. Once the employment has ceased, however, the servant is at liberty to canvass his late employer's customers so long as he relies on his memory for that purpose.

Service Agreements

Again, it is a breach of good faith and a breach of contract for an employee to disclose secret or confidential information, that he has acquired as the result of his employment, to third persons, even though such disclosure takes place after the employment has terminated. All matters of this kind, however, are usually dealt with by the service agreement into which every employer should require his employees to enter. Here again the law steps in; for it will avoid any restraint on the employee which is unreasonable in extent and which is not really necessary for the protection of the employer.

Opportunity for Redesign

A CORRESPONDENT who points out in this issue (p.281) that the present shortage of medicine bottles might be turned to good account, raises an issue that has too long, perhaps, escaped reconsideration and revaluation. The "medical flat" that has been the traditional container for prescribed mixtures in this country has been rather taken for granted. Obviously it has had its advantages. The shape of the bottle sets off the label, for example, to advantage while making it easy to read, and the tablespoonful markings, where they exist, are comparatively easy for an inexperienced pourer to adhere to. Capped, finished and wrapped according to the best art of the dispenser, the medical flat establishes value and importance in the mind of the user, creates confidence, and reinforces the patient's morale. In how few instances, however, does the medical flat receive this elaborate attention today? Modern conditions serve only to emphasise its very real disadvantages, namely :-

- I. That it is extremely difficult of clean (and some of its corners reinaccessible to the cleaner's brush).
- 2. That its efficiency depends n the quality of the cork a quay that in present circumstances can't be guaranteed; and
- 3. That the medicine, when poul, runs over a rim that has been oper of the atmosphere and cannot, there are hygienic in the conditions of us

Changed Position

While so much money is tied up in mal, s' moulds, and so long as ample medical s are in full circulation, consideration of cost may rule out any modification n design. But that state of affairs, as r correspondent points out, has alrey ceased to operate. The scarcity of bo's is acute in all districts, and a very le output of bottles is needed before e position becomes restored. Why, in e circumstances, manufacture large num's of bottles of an obsolete design vn labour and materials again become a lable? Why not take the opportunit of remodelling the medicine bottle accor g to present-day needs and technical prog s?

The first step, of course, is to agre in what is required, and on this our cospondent has made valuable suggests. He urges that the post-war medicine ble should—

- 1. Be cylindrical.
- 2. Have sloping shoulders.
- 3. Be lipped for easy pouring.
- 4. Be capped so that the lip is prote of from atmospheric contamination
- 5. Have a cap that is capable of log used as a measure.

Suggestions Invited

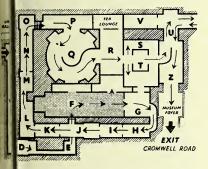
The summary of requirements so is comprehensive and complete. There is comprehensive and complete. There is comprehensive and complete. There is comprehensive and comprehensive and is composals. For example, the cap used a measure might also come to be used a drinking vessel, which would be an idesirable practice. We throw the suppose to the further suggestions subscribers—and to secure evidence of all demand—before urging the bottle in 1-facturers to take action.

DESIGN TO WIN TRADE

o ove to the world that British industic lesigners are capable of making this ry's industries supreme, a National x ition of Design, organised for the nament by the Council of Industrial let 1, is being held in London for about the onth from September 24 under the 1 'Britain Can Make It.' Plans for let ng the best-designed articles in each el and for using the most imaginative is y methods for presenting them, were ly made known.

or mer Goods Only

T Exhibition will cover a wide field of coumer "goods, which will be grouped not some twenty-six headings. Special sources will illustrate the transition from an o peace, "Design for Tomorrow," and the work of individual British esi ers.



art ground plan of Exhibition showing, at F, main all i hich cosmetics, instruments, etc., will be housed.

T Victoria and Albert Museum is seen used as the exhibition hall, and the core part of the project. Each letter open of the project. For example, house "New Materials" and V on for Production." Scientific instrument of perfumery and cosmetics) and open of perfumery and cosmetics) and open of the project of the project. Each letter of the project of the project of the project. Each letter of the project of

tion, in time for the Exhibition. Quite a few exhibits will be shown in their natural settings (living rooms, kitchens, offices, gardens). Contrasts in lighting, and the use of new materials and novel devices, will contribute to a series of original effects.

It will be generally regarded as appropriate that "Britain Can Make It" is to be housed at a museum that was founded to commemorate one of the greatest exhibitions ever held in Britain: the Great Exhibition of 1851 in Hyde Park (for which the Crystal Palace was planned and built). Manufacturers who have new ideas or plans for new designs are urged to communicate with the Council of Industrial Design, Petty France, London, S.W.1, so that a complete picture may be formed of the ranges of the goods likely to be submitted for selection. It should be emphasised that choice of what is shown rests with the selection panels and not with manufacturers. Nor will there be facilities for exhibitors' experts or salesmen to explain or recommend their exhibits, but arrangements are being made that in-quirers at the exhibition may be given information about the manufacturers of particular items. There will be a charge for admission, though it is possible that arrangements will be made for special groups (e.g., employees) to gain admission at reduced rates.

Manufacturers' Keen Interest

Contacts which the Council of Industrial Design has already had with manufacturers in a wide field of industry in conexion with the exhibition have prompted the conclusion that British industrialists have a stronger and more widespread interest in design than ever before. This interest promises well for the export drive, and is likely to be of especial benefit to home consumers. No definite date has been announced as a closing date for submission of items thought suitable for exhibition, but it is understood that this will be some time in July. Manufacturers who have models ready should bring them to the notice of the selectors without delay.

Adrenaline in "Bloat."—A Ministry of Agriculture bulletin states that "encouraging results" have been obtained in the West Riding of Yorkshire and in Northern Ireland in the use of adrenaline for giving immediate relief in cases of "bloat" or "hoven" in livestock.

PHARMACEUTICAL SOCIETY OF IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held in Dublin on February 12, Mr. J. K. Whelehan (president) in the chair. Other Council members present were Messrs. P. A. Brady, P. C. Cahill, C. J. Cremen, T. C. Scott, F. X. Meagher, M. Costelloe, N. A. McKane, T. B. O'Sullivan, P. F. McGrath, P. Brooke-Kelly, J. Gleeson, M. Power, J. P. Kissane, R. Daly, H. P. Corrigan, and G. C. O'Neill.

The Late Sir Thomas Robinson

THE PRESIDENT moved a vote of sympathy with the relatives of the late Sir Thomas Robinson and of the late Mr. W. G. Cunningham, both members of the Council. By their deaths, he said, pharmacy had sustained a great loss. Sir Thomas was a man of tremendous energy, who for many years had been active in the commercial life of the country and in public life generally. Always ready to give his views, he could when he liked hit hard, but he was always a chivalrous opponent. Fifty-four years ago Sir Thomas had been vice-president of the Society, in 1940 he was president, and as late as 1945 he was a member of the Council. Most of Willie Cunningham's activity had been concerned with pharmacy. Weak and poverty-stricken members of the profession could be sure of his assistance at all times. MR. P. BROOKE-KELLY said that, as the oldest sitting member of the Council, it devolved on him to second the resolution of sympathy, and there was nothing the president had said that he could not endorse. Sir Thomas was an old friend of his, and they would all miss him greatly. Mr. Cunningham, who was one of their younger members, had promised to become one of their leading Councillors. Mr. P. A. Brady (vice-president), as second senior member, endorsed the tributes that had been paid. He had always admired the shrewdness, capability, and common-sense which Sir Thomas Robinson had acquired through his vast experience in public affairs. As all members of the Council knew, Sir Thomas was quick to make up his mind. The late Mr. Cunningham had always struck him as a man with a thorough grip of what his fellow Councillors and fellow members wanted.

Mr. Cahill (treasurer) said pharmacy had suffered a tremendous loss through the deaths of their two colleagues. Sir Thomas was one of the most distinguished men in Irish pharmacy. Mr. Cremen asked to be associated with the resolution of symp ny While Sir Thomas did not agree with me of their ideas he had always been tol at By the death of Billy Cunninghan the Benevolent Fund Committee had lost to its outstanding members. Mr. MEA EF said more than any other man Sir Tl 121 was the founder of the Irish Drug As iation, and its first president. Billy Cur agham, more than any other man, w the founder of the Irish Compounders' As itation, and its first secretary.

Mr. Gleeson described Sir Thon as the outstanding figure in Irish pha acy and one of the keenest intellects of the Council. Billy Cunningham was a though worker who had given unstinted s ice MR. T. C. Scott said that Sir Thom was always a staunch friend of the younger en.

MR. J. P. KISSANE said there were pers there who could more ably speak the great qualities of Sir Thomas Rolson but in the death of Billy Cunningh he could say that pharmacy had suffe an irreparable loss.

The votes of sympathy were then seed in silence, all members of the (not standing. From Lady Robinson the low ing letter was read: "Thank yo ven sincerely for the beautiful wreath 1 9 kindly sent in memory of my late he and also for your message of sympathy."

A letter was read from the Mini

Justice approving of Regulations ch

Registration and Membership

The following changes of addressive motified: Reverend A. Kerr, M.A. L.P.S.I., to 346 Ormeau Road, I as Miss H. Leonard, L.P.S.I., to Fren and co. Roscommon; Mr. J. A. Cotter, a to West Street, Tallow, co. Wat Mr. H. W. Sheridan, L.P.S.I., to The feet of the control 16 Church Street, Athlone. The fe wir who submitted certificates were interest Preliminary registration: Bernard Thomas P. Mullen, Catherine C. (glamary C. McEntegart, Julia Gamble P. Barry, Patrick K. A. Joyce, J. M. Coleman, Florence M. J. Schements, James Murray, Anna P. Mary Doyle, Patrick M. K. Mc Mary O'Connell Louis O'Brien Mary O'Connell, Louis O'Brien, n Conlan, Bernard S. McDonnell, and Harrington. On the motion of THI RES DENT, seconded by Mr. Brady, it wa that the name of Robert George stor L.A.H., be added to the register of

cent chemists. The registrar (Mr. J. J. Gen reported on the deaths of Messrs. McAdam, L.P.S.I., and G. Reilly,

McAdam, L.P.S.I., and G. Reilly, P.

Licence certificates of the following gned and sealed: Jeremiah Joseph with Martin Farrell, Anthony Bernard are Jensey, Christopher Gerard Burke, William Irwin, Irene Rebecca Bridget O'Donovan, and Alexander Wilson. The following were to membership of the Society: ess H. Beirne, J. E. Cooke, P. J. Farrell, Myth and M. Hogarty; Misses H. en I and A. P. McCarthy. The following e nominated for membership: Miss g e nominated for membership: Miss R fanley, c/o 121 St. Stephen's Green less Dublin; J. J. Dawson, 52 Lower ondra Road, Dublin; F. J. Gaffney, xford Street, Dublin; E. J. Hayes, t. I. Hayes, L. Hayes, L. I. Hayes, L. Hayes, L. I. Hayes, L. Hayes, L. I. Hayes, L. I

x-S ice Entrants

To following motion standing in his was moved by Mr. Cahill: "A te for the Licence examination who as a pleted three years' full-time service before Forces may, if he so desires, the examination in two parts as follows:

(1) Botany, materia medica and ry; (2) pharmacy. In Section (1) imum pass percentage shall be forty subject and the candidate, in order must make a total of 55 per cent.

(a) (a) the minimum pass percentage subsection shall be fifty, and the te, in order to pass, must make a solal of 55 per cent." Mr. Cahill gave the greasons why students demobilised to be transferred and to the country of students serving the mer to the majority of students serving the majority of students and the knowledge that persons the majority of students and the knowledge that persons the majority of students and the knowledge that persons the majority of students and the knowledge that persons the majority of students other part of the country at short precluded any hope of settling down o st y; 4, to grasp the real difficulties hat afronted the soldier who was anxious o st y, one must realise that nine months f the year were taken up with pickets, bog shooting and practising on the

ranges, battle courses, Commando courses, field tactical training and manœuvres. During most of them the Defence Forces were under canvas and the courses had to be carried out in such areas as distant valleys and mountains. To study, or even to retain their books under these conditions These men, said was an impossibility. Mr. Cahill, who had been away from pharmacy for five or six years, were suffering from a great handicap, and he thought that they were going to find it extremely difficult to get back to civilian life. The vast majority of these men were not serving in the medical corps, and were therefore completely divorced from a chemical and medical atmosphere. He was not suggesting the standards of the examination should be lowered in any way; he was as jealous of those standards as anyone. Mr. J. F. McGrath, seconding, thought the resolution a particularly good one. By seeking to provide concessions for these men who came forward when they were badly needed, they were making a gesture not only to the men, but to the State. Mr. T. C. Scott said that, in offering their services to the State, these young men had made a noble gesture.

Opposition Withdrawn

Mr. Brooke-Kelly said he should have thought that the percentages ought to have been increased as it was easier to pass an examination in two sections than at once. He had intended to oppose the motion, but, having listened to all the speakers, he was prepared to support it. Mr. Daly said that in his opinion the resolution was good.

Mr. M. Power said that as they were not all familiar with the facts, or with the numbers of men who would be affected by the motion, perhaps it would be better to leave it over for the March meeting. Mr. Cremen said that, by passing the resolution, they might be agreeing to the qualification of fifteen, or fourteen, or even half-a-dozen men who would not have the necessary experience of counter or prescription work. They must remember that book knowledge was not everything. Could they not make it a condition that these men get three or six months' experience behind a counter before sitting for the examination?

Mr. Costelloe said that, if they were going to make a concession, they should make a reasonably generous one. PRESIDENT said there was no doubt the men deserved well of the Society. agreeing to the course suggested, however, members might be establishing a precedent that others might seek to avail themselves of at a later stage. Further consideration of the motion was postponed until March.

Representations to Minister

THE PRESIDENT made a detailed statement to the Council on the new Public Health Bill at present before the Dail, in the course of which he mentioned that the honorary officers of the Society and representatives of the Irish Drug Association had made representations to the Minister.

On the motion of Mr. Corrigan, seconded by Mr. O'Neill, the following resolution was passed: "The Council of the Pharmaceutical Society of Ireland expresses its sincere thanks to the trustees of the late Viscount Leverhulme for their generous donation of £50 to the Benevolent Fund of the Society." A deputation from the Benevolent Fund dance committee was then received: Mr. T. GLEESON (chairman), addressing the Council, said it was his privilege to present to them, on behalf of the dance committee, a cheque for the Benevolent Fund. In the preceding year, when members had come before the Council, they gloried in the fact that their cheque for £392 was a record to that date. October 1945, when starting out on their present campaign for funds, his Committee had determined, if at all possible, to eclipse that figure. He was glad to say they had succeeded. Their cheque this year was for the sum of £397 13s. 10d. (applause). That it was not even bigger was due to a decreased attendance at the dance. This might or might not have been the fault of the Committee, but to his mind it was due to factors over which they had no control. He saw no reason why the cheque should not be increased substantially in the years to come, but this could only be brought about if they secured the co-operation of the members of the Society. It was tragic to think how few had answered previous appeals—about 120 out of 800. On behalf of the members of the committee he thanked all who had subscribed to the Fund, or had helped in any other way. They were particularly indebted to the president, vicepresident and treasurer of the Society, to the registrar (Mr. Kerr), to Miss Hyland, and to the trade Press, who never lost an opportunity to keep the Benevolent Fund to the forefront, and their treasurers (Mr. and Mrs. Leahy), secretaries (Miss O'Shea and Mr. David Murphy) and M.C. (Mr. Redmond).

THE PRESIDENT in accepting the cheque said that, since the inception of the Benevolent Fund dance, they had mostly the same

committee coming forward year after y r to report yet a further record sum collect for the Fund. Each year brought the see story of gallant work done. The dee committee had also worked as joint admi. trators of the Fund with the Council. its help and advice had been welcome ind He thought that, as the years pas, members would become more alive to necessity for subscribing each year. If t could devise some means of communica with their members from time to ti perhaps by circular, the publicity m tyield a substantial annual increase in Fund's income. Mr. Meagher's sugges 1 that there should be more appreciation the Committee's work than that for I speech-making had struck a response chord. They had, therefore, decide provide light refreshments.

Society's Greatest "By-product"

MR. P. A. Brady supported the present in congratulating the young people on the really wonderful achievement. He thought that the Benevolent Fund dance comment was the Society's greatest "by-produ" Mr. Cahill said he thought all would a ethat, of the many organisations in remacy, the most active was the Benevolut Fund dance committee. In actual fact yhad received a total of £447 through the committee that year. It was Mr. Glen who had persevered and persuaded him write to the trustees of the late Visc the Leverhulme; as a result of his efforts yhad recently received a cheque for

MR. O'NEILL said that members of the Council regarded it as a great privile entertain members of the dance commentated day. The sums handed in to the lain the early years paled into insignificate before the present sum of £397. Mr Costelloe also wished to be associated with the expression of thanks to follow that he would assist by every mean that he would assist by every mean make the work of the Benevolent of Committee more widely known in Cork

The Truth about DDT.—G. A. Cam land T. F. West. 5 in. × 7½ in. Pp 4. Is. Findon Publications, Ltd., 2 Carn be Street, London, E.C.4. The authors' k on DDT is well known to readers of Chemist and Druggist. In this bout they have endeavoured to provide layman with facts about the new insect Although popular in style, well illustrand very readable, the work is non less authoritative.

CORRESPONDENCE

A Representative's Thanks

Through the medium of your va d journal I should like, on the occasion of y taking over the Leicester area, to the the South of England chemists for the indness and support extended to me du g the many years it has been my or ege to call upon them. cester. HUBERT WRIGHT.

'R resenting A. De St. Dalmas & Co., Ltd.)

Home or Empire Industry?

—I have read with interest the nt of the I.C.I. and Tata Iron & Steel Co merger (C. & D., January 5, p. 22) for ne production of dyes in India. This to be production of dyes in India. In is possible ty—Great Britain—is starving to be for foreign trade and currency, and we we have one of our largest firms, which capture the German world trade in y—handing on a plate, with its blessings, pa of our life blood. Not only is this the poon, but, in the years to come, when the aps get on their feet again—because a control will not stop them—they will be let to supply cheap cottons to India for be le to supply cheap cottons to India for the idians to dye. A nice rosy picture of the ture it is indeed for us!

W. P. RICHARDS, M.P.S.

wcastle-under-Lyme.

Bottle Famine

(,—In view of the scarcity of medical bo s, it is surely a golden opportunity of rapping the unhygienic "medical ha and substituting for it a bottle that cal be thoroughly washed by hand or makine brushing. This the medical flat cal t be, especially if insoluble powders, etc have been dispensed in it. I have be me an 8-fl. oz. French dispensing bo . It is cylindrical, with sloping shoul-de screw cap, and composition stopper, ated both in grams and tablespoonfuls. It mart in appearance, easily cleaned by hin , and sterilisable. Its only defect, in , view, is the screw neck. It is my explence that the screw neck is unsatislence that the screw neck is unsatisfactly and this applies to all bottles with sort necks. Even an experienced dispenser it difficult to pour out of a screwneck dispenser dispenser. The ideal neck and lipped by some similar to that adopted by manufacturers of proprietary prepar ions—a fine lip, with screw beneath, and arge composition cap, which is also car le of being used as a measure. Such

bottles may cost a few shillings per gross more than "corknecks," but when the present price of corks—even of indifferent quality—is considered, the extra cost is negligible. With pharmacists demanding to be the only rightful persons to dispense under the new health scheme, surely now is the time to show that they are alive to their responsibilities, and to provide at long last an hygienic container. The medical flat is a relic of the past, and ranks only with the unlamented departed "Codd" bottles, which aerated water manufacturers abandoned a quarter of a century ago. For younger pharmacists who may not know what a "Codd" bottle was, I may mention that it was a bottle with glass marble, beloved of me in my youth, and possibly of you too, Mr. Editor, through which we were wont to suck lemonade out of a dirty mouth. The place for these todayand, I suggest, of the medical flat toois in museums.

DEVONSHIRE YOKEL.

Industrial Clothing Coupons

SIR,—With reference to the letter on the above subject in your issue of February 23, signed R. E. Bell, the official who interviewed your correspondent locally evidently did not know all the circumstances. suggested (and apparently R. E. Bell did not correct him) that there did not appear to be a trade union, and that he might apply to the Society to take up the case. facts are that the National Pharmaceutical Union is a trade union, and that it has pestered the Board of Trade about this matter-without success-both direct and through the National Joint Industrial Council for Retail Pharmacy. Our application was, we understand, supported by the Trades Union Congress and by the Confederation of Employers' Organisations, these being the bodies which act in an advisory capacity to the Board of Trade on the matter. Despite that support, no impression was made on the Board of Trade, which is apparently convinced that pharmacy is a "clean" calling not requiring protective overalls. The last time we contacted the Board we were informed that pharmacists have been placed at the head of the list for any extension of "industrial ten" clothing coupons, but the chances of such extension being granted today seem more remote than ever.

National Pharma-G. A. Mallinson, ceutical Union. Secretary.

OVERSEAS TRADE NEWS

Soya Bean Oil for Olive Oil.—It is reported from Washington that the U.S. will ship 3,000 metric tons of soya bean oil to Greece in the first six months of 1946. This follows an assurance by the Greek Government that export permits will be granted for a similar quantity of olive oil to be delivered to the U.S. The entire transaction will be handled by private trade.

Chemical Sales in Chile.—According to American sources sales in Chile of industrial and medicinal chemicals during the third quarter of 1945 were approximately 25 per cent. higher than in the corresponding period of 1944. Substantial quantities of industrial chemicals arrived from the United Kingdom, some items in these shipments being the first received from Great Britain since 1941.

Indian Sulphur Workings to be Leased.— It is reported that the Government of India has decided to sell its properties and machinery attached to the Koh-i-Sultan sulphur operations in Baluchistan, as well as stocks of sulphur ore lying at the Nokkundi railhead. The purchaser of the properties and machinery will have the right to work the mines, or to dismantle the equipment and to sell the stocks of sulphur ore.

U.S. Market for British Rubber.-There will only be a limited outlet for British rubber in the United States if the price is raised, U.S. observers point out. Natural rubber sells in the U.S. at 22½ cents per lb. (bought by the Government at 201 cents f.o.b. Far-Eastern port), as compared with the 181 cents per lb. for general purpose synthetic. It is believed that consumers of rubber can cut their requirements of natural to 15 per cent., the remaining 85 per cent. of their needs being in the form of synthetic material. The proposed price of 28 cents per lb. for natural rubber, will, if it becomes effective, limit still further the quantities that U.S. consumers will purchase.

Savannah Rosin and Turpentine Market.—Advices dated February 17 state that there has been a considerable reduction in stocks of rosin, suggesting that these holdings will decline to the desired level before the new crop is brought in, between six and eight weeks from now. Meanwhile, it is believed in trade circles that UNRRA will be in the market for about 16,000 drums soon, of which about two-thirds would have to be met by the industry and the remainder from Commodity Credit Corporation stocks.

The tension in the supply situatio of turpentine is growing daily more acut as Government-held stocks are exhausted in the flow of new material has been red ed to a minimum by the cold weather. It has been an active foreign demand or turpentine but export regulations are ill limiting sales.

Ceylon Seeking Cinnamon Decision A Colombo dispatch states that the Secret of State for the Colonies is to be required to press the American authorities foun early decision as to whether they are epared to purchase cinnamon at the incread prices agreed upon by the British Mir ry of Supply last October. The usual (ta allocation to the U.S., one of the last purchasers of cinnamon, has not been de for the last four months, since the U.S. as been insisting on a 13 per cent. cut i he increased prices. Consequently, 4 m on lb. of cinnamon is now lying idle th shippers. Dealers and producers fear a ut when this year's crop, estimated a 64 million lb., starts flooding the market at April. Local cinnamon interests have en agitating for an early American decisi so that the accumulated stocks migh be diverted to India where sufficient cinn on cannot be obtained to meet requiremes.

U.S. Export Potentialities.—The Und States chemical industry has vast e pa markets in Latin America and F of Mr. Luis G. Dillon, vice-president of McCann Erickson Corporation, told a 1 conference of the American Pharmace Manufacturers' Association. He estimate a potential market for 150 million dass worth of such products in Latin Am since, he said, the war had brought countries to a position where they almost entirely dependent on Amer to meet their pharmaceutical needs. could be a vast market in France for S manufactured pharmaceutical produ a satisfactory solution to the current problem, a problem that was goil "plague trade relations with every pean country," could be found, Dr. L Elvinger, professor of New York University told the conference. German compound had been cut out, he stated, and "Individually "had been eliminated over the years. However, the French Government could not be expected to abando is restrictions and regulations on ir resulting and restrictions and regulations on ir resulting and restrictions." while the problem of dollar excense remained.

TRADE REPORT

po uotations for pharmaceutical chemicals, crude drugs and essential oils represent the for wholesale quantities of standard quality. C.i.f. quotations do not include excepor marine risk insurance and other abnormal charges payable under present conditions

Essex Street, W.C.2, February 27

to the past few days, and there is less in the past few days, and there is less ir rest to report. A good deal of export of a continues to be received, but in a r of instances business is not possible et e of shortage of supplies. The price on is virtually unchanged, the general remaining firm. Reports from the taceutical Chemicals markets indicated fair business under stable price on ons. The supply position in this appears to be satisfactory, except few instances where temporary not ges continue. few mother ges continue.

ru Drugs

The has been hardly any change in the os n of CRUDE DRUGS during the period nd review. Supplies of some items conin to be scanty while in a number of ist es the market is bare of stocks. price movements have occurred ut herally quotations are steady. Suppleper ry quotas have been made for our o Aloes, but the quantities involved re all and the goods will not be available r some time. Demand for ANTIMONY net still exceeds the supply. No changes av occurred in the position or prices of MAI MS. BENZOIN continues to be wanted, ut ere is no word of a renewal of supplies. rade BISMUTH metal is in good de-nai CARDAMOMS retain their firm tone wit supplies extremely scarce. CHILLES and her SPICES are quiet and featureless wit alues as before, and supplies limited. OI YNTH is a steady market. Spot stocks of od-quality Ergot are small. Gum is slightly easier on the spot. The fe for position is unchanged with Bra an available on spot and for export;
to vs has been received of supplies from
hi Nurmegs continue in very short

up. The arrival of several tons of PARILLA is reported. DILL is the ariety of Seeds at present obtainable on spot; available quantities are small. in velly Senna Leaves are rather firmer ont week. Selected grades of Tragacanth are arce and firm. Turmeric is a few hill 3s cheaper on the spot. A few cha es have occurred in WAXES.

Essential Oils

Practically nothing worthy of comment occurred in the Essential oils markets during the week. Supplies of oils remaining outside the scope of the control scheme are now almost negligible and high prices would be wanted, e.g. Anise (STAR) for which 160s. per lb. has been mentioned, and Peppermint at 150s.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were :-

Centre	Quoted	February 27
*Alexandria Brussels Chungking Copenhagen Dutch West Indies Paris Lisbon Montreal New York	Piastres to £ Francs to £ Per Dollar Kroner to £ Florins to £ Francs to £ Escudos to £ Dollars to £ Dollars to £	97 \$ -97 \$ 176 \$ -176 \$ 3 - 3 \$ \$ 19.32 - 19.36 7.58 - 7.62 479.7 - 480.3 99.80 - 100.20 4.43 - 4.45 4.02 \$ -4.03 \$ 4.02 \$ -4.03 \$
Stockholm Zurich	Kroner to £ Francs to £	16.85-16.95 17.30-17.40

*Free market rates

U.S. Drug Market Report

New York, February 22

A RATHER erratic condition in MENTHOL offerings has been in evidence with reports of unfavourable crop developments in Brazil occasioning a rise in the quotation; reports of a substantial quantity of the material in China ready for shipment to the U.S. has now complicated the picture. MERCURIALS have been quiet with no price fluctuations, while the quotations on imported TARTRATES are still substantially below those for the domestic product. Prescription items continue in good demand with some further tightening in the supply position of the Salicylates. The trend to higher prices in CRUDE DRUGS continues, with a moderate inquiry for items, particularly those in short supply. Hope for substantial replenishment this year from European sources is dwindling, while maximum prices make purchases of many items from abroad an unprofitable concern. A protest has been forwarded to the Office of Price Administration by the Spice Trade Advisory Board with an endorse-ment by the American Spice Trade Association urging the relaxation of price control on Spices. Other world markets are free from control, it is stated, thus giving foreign importers an advantage merchants in the U.S., while in addition, values at the source are too high to permit any profitable dealings under present O.P.A. maximums. Among botanicals in short supply, the position of Manaca Root has further deteriorated with no substantial deliveries from Brazil for many weeks. Supplies of CARNAUBA WAX for immediate delivery have reached a low level with an increase in the quotation for No. 3 North Country. There are possibilities of worthwhile wax production from the Brazilian cauassu tree. Whereas ten years must elapse before the carnauba palm is ready for wax extraction, the cauassu tree requires only one year of growth. The United States Customs Court has upheld a claim that adulterated Citronella oil imported into this country from Ceylon has been dealt with as pure material and is therefore not liable to duty; the item is still advancing in price, however. Elsewhere, among Essential oils, there has been some slackening in trade with the sugar and labour problems besetting many consuming industries, limiting their demands upon manufacturers.

Pharmaceutical Chemicals

ACETANILIDE.—Keeps steady with makers' quotations at 2s. 5d. per lb. for powder and one penny more for crystals.

Aspirin.—In good demand at unchanged rates. Home market prices per lb., in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

ASPIRIN TABLETS.—The following prices per 1,000 are quoted by makers for bulk supplies: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 1od.; 1,000,000, 2s. 9d.

BARIUM SULPHATE, B.P. (x-ray).—Prices per lb. quoted by makers, in 28 lb.-1 cwt. lots, for home sales are (containers in brackets):

1s. 6d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). Prices are net, one month.

BISMUTH CARBONATE.—This salt is steady at the following rates per lb., in lots of 14 lb.-28 lb., for the home trade (containers in brackets): IIS. 2½d. (I-lb.); IIS. I½d. (2-lb.); IIS. Id. (4-lb.); IIS. (7-lb.); IOS. II¼d. (I4-lb.). CITRATE, 2s. per lb. above; SALICYLATE, 6d. per lb. above; SUBGALLATE, 4s. 3d. per lb. above; SUBGALLATE, 4s. 3d. per lb. above; SUBMITRATE; 1s. 2d. per lb. below. BORAX.—Ton lots are quoted as follows; B.P. quality, granulated, £38; crystal, £39; powder, £39 10s. Commercial grades, £8 per

ton less. Packed in one-cwt. bags, delived carriage paid in Great Britain, in one-tor to and upwards.

Boric Acid.—Current rates per ton a difollows: B.P. quality, granulated, £60; cr ul. £61; powder, £62. Commercial grades, £ er ton less. Packed in one-cwt. bags, deli dicarriage paid in Great Britain, in one-tor ts and upwards.

Bromides.—Current prices of Potas M per lb. in the home market are as follow.

Quantity		In containers of			
Quantity	ı lb.	4 lb.	7 lb.	14 lb.	2
1 lb 4 lb 7 lb 14 lb 28 lb	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	s. d. 3 4 3 3 3 2 3 1	s. d. - 3 2 3 1 3 0	s. d. - 3 0½ 2 11½	S

Sodium, 11d. per lb. less, and Ammor M. 11d. per lb. more, than above prices. are net without engagement. Resale c se applies.

BRUCINE.—Current rates per oz. at is follows: Alkaloid.—Under 25 oz., is. . . ; 25 oz. and under 100 oz., is. 4d.; 100 oz id under 500 oz., is. 3½d. Nitrate and Sulpi e. -Under 250z., 1s. 3½d.; 25 oz. and unde ∞ oz., 1s. 3d.; 100 oz. and under 500 oz., 1s d.

CHLORAL HYDRATE.—Steady; current; es are as follows: I cwt., 3s. 10d. per lb.; 5). 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 4s. 9d.; less, 5s. 3d.

CITRATES.—Prices per lb. current in the market for Potassium citrate, B.P., a as follows :-

Containers	ı lb.	4 lb.	7 lb.	14 lb.
Under 4 lb	s. d. 3 11½ 3 10½ 3 9½ 3 8½ 3 7½	s. d. 3 9 3 8 3 7 3 6	s. d. - 3 7 3 6 3 5	s. d. - - 3 5½ 3 4½

Prices net one month. 1 lb. and 4 lb., in b or tins; 7 lb. and 14 lb., in bottles, ti or jars; 28 lb., in tins. Ferri et ammon. B.P., 2d. per lb. above; Sodium, B.P. d. per lb. below; POWDER, id. per lb. extra

Codeine.—Current prices per oz. for lots are as follows: Base.—½ oz., 55s. I oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 4 oz., 50s. 3d. Hydrochloride.—½ oz., 1 oz., 47s. 6d. 2 oz., 46s.; 3 oz., 45s. 4 oz., 45s. Phosphate.—½ oz., 43s. 9d.; 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 38s. 9d.

DIAMORPHINE.—Current rates per oz small quantities are as follows: Base.— 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 53s. 9d.; 4 oz., 53s. 6d. Hydrochlori do., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

1 YLMORPHINE.—Small quantities are quoded or oz. by makers as follows: Base.—
(61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.;
(65s. 9d.; 4 oz., 56s. 6d. Hydrochloride.—
1,53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 8s l.; 4 oz., 48s.

(cose.—Powdered monohydrate for the trade is quoted as follows: 14 lb.—28 lb., b. lots, 11\frac{1}{4}d. per lb.; 28 lb.—112 lb., in lots, 11\frac{1}{4}d.; in 28-lb. lots, 10\frac{1}{4}d.

HATROPINE.—Makers' prices per oz. are s lows (prices per gram in brackets): low oid.—I oz., 97s. 6d.; 4 oz., 92s. 6d.; 6 87s. 6d. (4s.). Hydrochloride, hydrochro de and sulphate.—I oz., 75s.; 4 oz., 16 oz., 65s. (3s. 2d.).

L CATES.—Prices are as follows: LACTIC CIT Six-winchester lots, 3s. per lb.; smaller ua ties, 3s. id. CALCIUM LACTATE.—Small ua ties, 2s. 5d. per lb. CALCIUM SODIUM ACC E.—Powder, small lots, 3s. 7d. per lb.; 44. 3s. 4d.; 28 lb., 3s. 2d.; granular, one per lb. extra.

NESIUM CARBONATE, HEAVY.—Prices per the home market, in quantities of 28 lb.—are as follows (containers in brackets): (1-lb.); Is. 5½d. (4-lb.); Is. 4½d. (7-lb.); Is. 3d. (28-lb.).

DELATES.—Makers' quotations are unbia d. Sodium and Calcium.—4 oz., 8 oz.,
and lb., 22s. per lb.; 4 lb., 2os. 3d.; 7 lb.,
as. l.; 14 lb. (in 7-lb. packages), 16s. 9d.;
(in 7-lb. packages), 15s. per lb., net.
bi., 11s. 9d. per lb.; 4 lb., 10s. 9\frac{1}{2}d.; 7 lb.,
as. l.; 14 lb. (in 7-lb. packages), 8s. 11\frac{1}{2}d.;
and b., 11s. 9d. per lb.; 4 lb., 10s. 9\frac{1}{2}d.; 7 lb.,
as. l.; 14 lb. (in 7-lb. packages), 8s. 11\frac{1}{2}d.;
as extra and returnable.

N HYL SALICYLATE.—Smalls are quoted at per lb.; winchesters at 2s. 1\frac{1}{2}d.; 56 lb., in ijohns, 2s.; I cwt., in demijohns or arl s, Is. II\frac{1}{2}d.; 5 cwt., Is. IId. All prices net.

P NOLPHTHALEIN.—Unchanged at the follow prices: Less than 7 lb., 4s. 8d. per lb.; 7 lb s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; c; 4s. 4d.

P ISSIUM PERMANGANATE.—Current rates are follows: B.P. (in 1-cwt. drums), 1 cwt. and er, 1s. 8\frac{1}{2}d. per lb.; 3 cwt. and over, 1s. Technical (in 1-cwt. drums), 1 cwt. and er, 166s. 3d. per cwt.; 3 cwt. and over,

161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms net, carriage paid station containers extra and returnable paid station, containers extra and returnable.

Santonin.—Current prices are following levels :-

			Per kilo	Per lb.	Per oz.
1-11			£	s. d.	s. d.
25 kilos		• • •	42	381 O	23 10
10 kilos			43	390 3	24 5
5 kilos			44	399 3	24 II
2-4 kilos	7.		45	408 3	25 6
ı kilo			46	417 3	26 I
500 gm			47	426 6.	26 8
250 gm			48	435 6	27 3
100 gm.			.49	444 6	27 9
Smaller quan	tities		50	453 6	28 4

Net cash, 14 days. Containers of more than 500 gm. or 16 oz. and all outer packages free.

Terpineol.—Pure medicinal quality may be obtained at from 3s. 3d. to 4s. per lb., according to quantity.

THEOBROMINE.—Current prices are as follows: Alkaloid.—Smalls, 44s. 6d. per lb.; 7 lb.-28 lb., 43s. Sodium salicylate.—Smalls, 26s. 6d.; 7 lb.-28 lb., 25s. 3d. Tins extra.

Crude Drugs

Aloes.—Small supplementary quotas have been made for Curacao to enable importers to bring in supplies, but goods will not be available for some months. In the meantime the price is nominal at 300s. per cwt., c.i.f.

Antimony.—There is no change to report in this commodity, either in the supply position or prices. English minimum 99.6 per cent. regulus is at £125 per ton; 99 per cent., £117 10s., delivered; 70 per cent. crude, for the home market, £100.

Mexican production in ore during the second quarter of 1945 amounted to 2,077 metric tons, according to the "Metal Bulletin," making 4,430 tons for the half-year. Exports in the second quarter were 2,065 tons, making 4,401 tons for the six months.

Areca nuts.—This item continues to be offered on the spot at 85s. per cwt.; shipment, steady at 55s., c.i.f.

Balsams.—Peru may be obtained on spot at the unchanged price of 8s. 3d. per lb.; Canada is steady at 13s. 6d. to 14s. per lb.; Tolu and Copaiba are not available.

Belladonna.—Quotations for English herb remain at 4s. 6d. per lb. Low-testing Indian root is unaltered at 2s. 3d. per lb.

Benzoin.—Continues in good request but no supplies are available.

BISMUTH.—Minimum 5-cwt. lots of metal may be obtained at 6s. 8d. per lb. Business is fair.

Buchu leaves .- In small compass on the spot at 5s. 6d. per lb.

CARDAMOMS.—Continuing scarce and firm with Aleppy seed quoted at 8s. 6d. per lb. on the spot; Aleppy greens are at 7s. 3d. to 7s. 6d. per lb.

CASCARILLA.—In good demand with the spot price steady at 3s. 6d. per lb.

CHAULMOOGRA.—Spot quotation for *Hydnocarpus* is steady at 2s. per lb., in tins in cases.

CHILLIES.—Quiet with values unchanged at approximately 150s. per cwt., on the spot.

CINNAMON.—Small spot supplies of chips are quoted at 2s. 2d. per lb.; quills are not available at present.

CLOVES.—Quiet conditions obtain with values as before. Zanzibar, spot, rs. 4½d. per lb., landed terms; shipment, 9½d. per lb., c.i.f., buyers' licence.

COCHINEAL.—Silvers may be obtained on the spot at 5s. 6d. per lb., and blacks afloat at the same price.

COCOA BUTTER.—The official maximum price remains at 1s. 5d. per lb., ex factory or warehouse, but this price may be exceeded under licence.

COLOCYNTH.—Steady; business quiet. Good-quality pulp on the spot, approximately 2s. 6d. to 2s. 9d. per lb.

DIGITALIS LEAVES.—Portuguese leaves are steady and unchanged on spot at 140s. per cwt., ex warehouse. English leaves, 2s. 6d. per lb.

Ergot.—Very little good-quality material on the spot. Any remaining supplies would be worth approximately 7s. 9d. per lb.

GINGER.—West African is quoted on the spot at 85s. per cwt.

Gum Acacia.—Kordofan cleaned sorts is rather easier on the spot at 70s. per cwt.; bleached, 145s. per cwt.; Talha, cleaned, 42s 6d

HENBANE.—Indian leaf may be obtained on the spot at 250s. per cwt.; Egyptian (muticus), steady at 85s.

JALAP.—Material testing 12 per cent, resin may be obtained on the spot at the unchanged price of 3s. 4d. per lb.

Kamala.—Material testing 6 per cent. ash may be obtained on the spot at 2s. 9d. to 3s. per lb.

KARAYA GUM.—The spot price of Indian No. I gum is unaltered at 210s. per cwt.

Kola nuts.—In small compass on spot $\varepsilon \mathbf{t}$ the following prices: African quarters, 8d. per lb.; African halves, 6d.; Jamaican washed halves, 7d.

MENTHOL.—The position and prices are unaltered. Brazilian continues to be offered on spot at 32s. to 35s. per lb., duty paid, and 27s. 6d., in bond.

MERCURY.—Controlled by official Order (C. & D., October 13, 1945, p. 388).

MYRRH.—Approximately £18 per cwt. we be required for good-quality Aden sorts on spot.

NUTMEGS.—West Indian remain in staupply. Prices are as follows: 80's, 4s. per sound unassorted, 3s. 10\frac{1}{2}d.; wormy broken, 3s. 6d.

Nux vomica.—Cochin, washed and garb is quoted from source at 37s. 6d. to 40s. cwt., c.i.f. Some Cocanada may be had on spot at 47s. 6d. per cwt.

Pepper.—Whole, not picked over or clear on sale to processors, is officially priced at is, per lb. for white pepper and is. per lb. black pepper.

PIMENTO.—Quiet conditions obtain for item. Spot, is. 3 d. per lb., sellers; shipm 122s. 6d. per cwt., c.i.f., buyers' licence.

RHUBARB.—The position as outlined week is unchanged. Some French rhapon may be had on spot at 3s. 3d. to 3s. 6d. pe

Sarsaparilla.—Several tons of Jama are reported to have arrived and to have a shared out at approximately 5s. per lb.

SEEDS.—The only imported seeds avail are small lots of Dill at 110s. per cwt., spo

Senna.—Alexandrian hand-picked swould be nominal at 4s. per lb. Good m facturing Alexandrian pods are quoted as per lb.; Tinnevelly leaves, rather firmer, N , 101d. to 1s. per lb.; No. 2, 9d.; No. 3, l. per lb.

TRAGACANTH.—Selected grades are scarce d firm at £160 per cwt. Medium grades e quoted as follows: No. 1 white, £145 rcwt.; No. 2, white, £125; No. 3 white, £150; No. 4 white, £85; pale leaf, £50; amber £50; dark amber, £35; brown leaf, £20; red-and-brown leaf, £20; red leaf, from hoggy, £12 to £15.

Turmeric.—Sound-quality Madras fing is easier on the spot at 105s. per cwt., seller

Valerian root.—Some Belgian root me available soon; price will be at 325s. per ex warehouse.

Waxes.—Bees'.—Uncontrolled stocks, res-Salaam, spot, 335s. per cwt.; afloat, c.i.f.; March-April shipment, 315s., Benguela, February-March shipment, c.i.f. Carnauba.—Fatty grey, spot, nominal; shipment, no offers; chalky spot, 725s., nominal; shipment, no oprime yellow, spot, 85os.; shipment, no Ouricuri.—Spot, 8 per cent., 50os.; 2 ccnt., 425s.; forward, no offers. Candel —Spot, 45os.; shipment, February—March 405s. landed.

According to "Foreign Commerce Weekly," itons point to a favourable carnauba-wax carna, Brazil. The first cutting took place be August 15 and October 15 and the second November 25 to January 25. It was expectivalless the rainy season arrived early, results we excellent and there would be a total yield of the total process of the second process of the

Essential and Expressed Oils

VISE (STAR).—As noted last week, 160s. per Il as been mentioned for spot goods.

OVE.—Quotations for English-distilled bud re unchanged at 12s. 6d. to 13s. per lb., ding to quantity.

CONUT.—The following are the fixed prices for bulk quantities: Crude, £49 per ton; ed deodorised, £49; refined hardened orised, £53.

TTONSEED.—Official quotations are as vs: Crude, £52 2s. 6d. per ton; washed, s.; refined edible, £57; refined deodorised, naked ex works.

oundnut.—Bulk supplies are officially das follows: Refined deodorised, hardened o°, £62 per ton; refined deodorised, ned to 50°-52°, £63.

NSEED.—Crude is officially quoted at £65 pe on, naked ex works.

IVE (EDIBLE).—Drums, 25s. 9d. per gallon of lb., ex wharf London. Prices charged by salers are as follows: 33s. 6d. per gall. in all. loan cans; 34s. 3d. in ½-gall. loan cans; 35 in 1-quart loan cans; 36s. per gall. in t cans.

pr l as follows: Refined deodorised, £49 per to refined hardened deodorised, £53, naked ex orks.

Essential Oils Control

The following is a schedule of prices to users in original packages for oils imported by the Ministry of Food:—

.. 25s. 8d., plus duty Basil .. 28. 3d.

23s. 10½d. Bergamot . .

Camphor 2S.

20s. 91d., plus duty, Caraway is. iod.

3s. 8½d., plus duty, Cedarwood 3 ad.

129s. 11d., plus duty, Clary sage 11s. 6d.

128s. 10d., plus duty, Coriander 11s. 6d.

Fennel.. ris. 6d., plus duty, is. cold-pressed, Lemon,

or Sicilian 17s. 4½d. Lemon, distilled .. 11s. 9d.

Lime 47s. 22s. 8d., plus duty, 2s. Nutmeg

Orange, bitter 18s. 6½d., plus duty, 18. 7½d.

Orange, West African 10s. 3d., plus duty, 10 ld.

Peppermint 47s. 1d. Tangerine .. 33s.

38s. 4d., plus duty, 3s. 5d. Vetivert

.. 15s. 3½d. $_{
m Wormseed}$ 15s. 6½d., plus duty, Ylang-ylang ... 1s. 4d.

UNITED STATES PENICILLIN

A QUATE supplies of corn steep liquor will be ade available to penicillin producers in th United States this year and manufactu s will not have to curtail production du to corn shortages, according to Dr. R Koch, of the U.S. Civilian Production A inistration. There may be some difficul in maintaining the supply of this m rial on which the penicillin mould is gr n until the new 1946 crop is marketed in ecember, but this would have to be be by manufacturers of other drugs. Proceedings of penicillin showed a further de he during December 1945, when appr mately 735,000 million units were pr iced, compared with 767,000 million up in the previous month. Total proin the previous month. Total prodt on during 1945 is estimated at 6,035,000 m on units, valued at \$60 million, a consic able decline in the price over the pr ous year. It is not expected that will be any further substantial price will be any further substantial price of ses for the drug in 1946. Production in unuary is believed to have exceeded 1,6,000 million units as a result of the use of whigh-yielding mould strains. The an Production Administration will not rely ve allocation controls until the drug is in the proper than 1,000 more than more "comfortable" position, it is

stated, distribution having been on a handto-mouth basis for many months. Exports will continue to be limited to 200,000 million units per month for some time to Meanwhile, it was predicted by Dr. W. F. Draper, of the U.S. Public Health Service, that penicillin will be synthesised before long and an efficient means of administering it orally in the treatment of venereal diseases will be found. In a few years, he stated, every man, woman and child in the U.S. will begin a fourteenday course of oral penicillin therapy to eliminate venereal disease.

Penicillin Exports Now Restricted.—A Washington message dated February 21 announces that the U.S. Government has imposed new restrictions on the export of penicillin, declaring the supply position of the drug to be "critical" A bulletin issued by the department of Commerce, International Trade Department, revokes all outstanding export licences which had been made valid before December 1, 1945. All licences issued since December 1 for the export of penicillin had been valid for only sixty days. The new announcement said that in future allocations would be made on

a monthly basis.

TRADE MARKS

(From "The Trade Marks Journal," February 13)

- "SVEEDA"; for laundry preparations (3). By Voltas, Ltd., Gem Works, The Green, Southall, Middx. 637,616 (Associated).
- "Sco"; for laundry preparations and soaps (3). By Pickups, Ltd., 1-3 Smedley Street, London, S.W.8. 637,690 (Associated).
- "Troublant"; for all goods (3). By Gorney, Ltd., 35 Northumberland Street, Broughton Park, Manchester, 7. 638,120.
- "JARDANEL"; for perfumery, toilet and cosmetic preparations, and soaps (3). By J. Desprez, c/o, Mewburn, Ellis & Co., 70 and 72 Chancery Lane, London, W.C.2. 638,202.
- "Portex-Ray"; for material for stopping teeth; bandage material; medical and surgical dressings; cements for the manufacture of artificial teeth (5). By Portland Plastics, Ltd., 214 Great Portland Street, London, W. I. 635,632 (Associated).
- "Marksman"; for corn plasters (5). By M. I-Downing, 120 Park Road, Oldham, Lancs-636,409.
- "Sanmexpyne"; for pharmaceutical preparations (human and veterinary); sanitary substances; disinfectants; weed killers and vermin destroyers; all containing pine (5). By The British Products Sanmex Co., Ltd., 23 St. Andrews Square, Glasgow, C.I. 636,459 (Associated).
- "ACIDAINE"; for pharmaceutical products of hydrochloric acid, all for export. "CYCLO-GESIN"; for pharmaceutical preparations of an alkyl ester of para-aminobenzoic acid (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.I. 636,496, 637,428 (Both Associated).
- "GHONNEX"; for pharmaceutical preparations and substances (5). By C. F. H. Cooper, 59 Bardon Chambers, Infirmary Street, Leeds, 1. 636,555.
- "Pickles" (exclusive use disclaimed), facsimile signature, J. Pickles, and words "foot ointment," all in circle; for foot ointment (5). By J. Pickles & Sons, 984 Wakefield Road, Dudley Hill Top, Bradford, Yorks. 637,000.
- "Tyebrettes"; for pharmaceutical substances (5). By J. Tye & Son, Ltd., 457 Caledonian Road, London, N.7. 638,128.
- "Duroglass"; for glassware being scientific apparatus (9). By Duroglass, Ltd., Blackhorse Lane, Walthamstow, London, E.17. 634,962 (Associated).
- "Criterion"; for dental instruments and apparatus, artificial teeth (10). By Universal Dental Co., c/o F. B. Dehn & Co., Kingsway House, London, W.C.2. 636,517.
- 'NAPTEX''; for babies' napkins (23). By M. Mercia & Co., Ltd., 20 Shaw Road, Oldham, Lancs. 638,194.

- "Isolex"; for all goods except confection (30). By Ashe Laboratories, Ltd., 1 Victoria Street, London, S.W.r. 636,9
- "SQUEEZA"; for fruit drinks and syrup ad preparations for making such drinks 2). By H. W. Carter & Co., Ltd., The ld Refinery, 45 Wilder Street, Bristo 2. 627,517 (Associated).
- "BA-BRU"; for artificial mineral and ac ed waters for sale in Scotland (32). By G. Barr & Co., Ltd., 1306 Gallowgate, Gla w, E.I. 635,765 (Associated).
- Applications Made to the Cutlers')., Sheffield.
- "ITENKUT"; for bottle washing and the making machinery parts (7). By V T. Flather, Ltd., Standard Steel V & S. Sheffield Road, Tinsley, Sheffield. 63 45 7689S.

(From "The Trade Marks Journal," February 20)

"METHOXONE"; for industrial, agricu al, horticultural and forestry chemical excluding insecticides, etc.). "NAPTHOXC for above chemicals containing naph xy acetic acid (1) "Weltex"; for tta percha, indiarubber, balata, syntheti ber, etc. (17). By Imperial Chical Industries, Ltd., Wexham Road, S gh. 636,262, 636,383 (both associated) and 634,397.

COMING EVENTS

Tuesday, March 5

- CHADWICK PUBLIC LECTURE, Lecture University of Sheffield, at 4.30 p.m. Di Henry on "Medical Service in Indust"
- LEEDS BRANCH, CHEMICAL SOCIETY, Che lecture theatre, Leeds University, at Dr. Kathleen Lonsdale, F.R.S., on "(tAnalysis as Clue to Chemical Problems

Thursday, March 7

CHEMICAL SOCIETY, Burlington House, cadilly, London, W.I., at 5 p.m. Pr sor A. R. Todd, F.R.S., on "Syntheses Study of Nucleotides" (Pedler lecture)

Friday, March 8

- Guild of Public Pharmacists, 17 Blood Square, London, W.C.1, at 7 p.m. Dr Boyes on "Drugs and the Nervous Sy u.
- SHEFFIELD BRANCH, CHEMICAL SOCIETY, istry lecture theatre, Sheffield Univers at 5.30 p.m. Professor F. Challenger on Manager of the Chemistry of Monoral Di-sulphide Links."

Sunday, March 10

MANCHESTER PHARMACEUTICAL ASSOC ON Ramble to Birch Vale, Disley and Pool Meet London Road station, 9.40 a.m. Birch Vale return.



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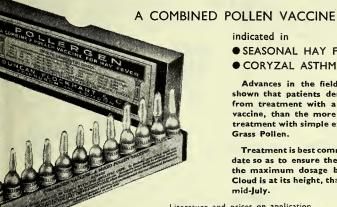
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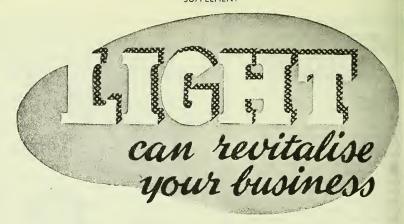
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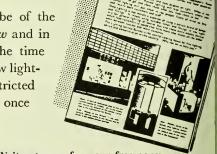
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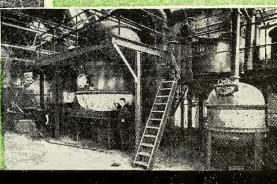
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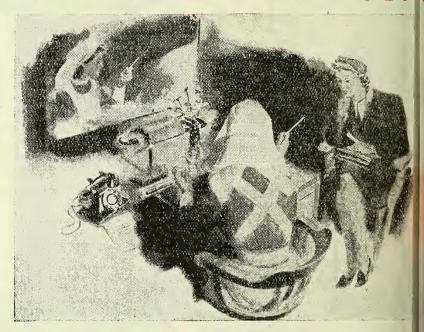
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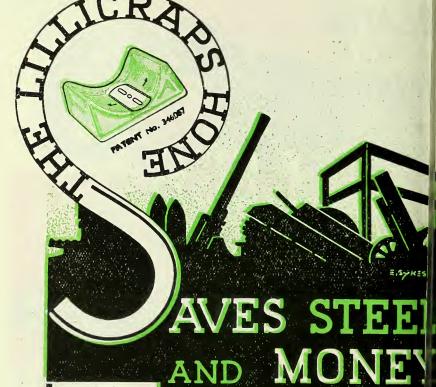
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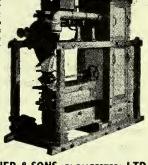
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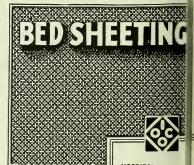
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Regulred. Male or female laboratory assistant for training in experimental photographic investigations. Should possess (or be taking) Inter. B.Sc., with Chemistry. Age 17–22. Applicant may also be required to assist in organic chemical reservch work. Apply, giving full details to Personnel Officer, May & Baker Ltd., Dagenham, Essex.

Regulred, Stocktaker, part time, knowledge of Drug Trade and prices essential. Manchester district. Might suit active retired Chemist. Full particulars to 955/661, C. & D. Office.

Regulred of the detail Chemists of Expenses, with good connexion Retail Chemists throughout Leicestershire, Nottinghamshire, Derbyshire. Lady or Gentleman wanted inimediately by

shire. Lady or Gentleman wanted immediately by Established Wholesale Chemists' Sundries House. Must be Driver. State in confidence wages required, age, experience. 954/625, C. & D. Office.

ALES MANAGER required by York hire frm of Manufacturing Chemists. Must be fully exp rienced in controlling strong national sals force with

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Proprietary Medicinal and Toilet Articles. Applicants must be resident in London, not over 35, and preferably pharmacists. Experience should include Supervision of representative staff and General Sales correspondence. 955/660, C. & D. Office.

ENIOR Assistant Chemist required by Manufacturing Chemists in S.W. Lanes. Work consists mainly of pharmaceutical analysis, experimental work on formulation and development of products. Good prospects for a keen man with personality and suitable qualifications. Give full details, including salary required. 953/593, C. & D. Office.

CURGICAL Sundries: Old established wholesale and manufacturing house require female staff experienced in surgical sundries. Write giving details, including experience and salary required. 956/666, C. & D. Office.

& D. Office.

including experience and salary required. 956/666, C. & D. Office.

URGICAL Instruments. Leading House requires West of England Representative, salary and commission. Car provided. Reply to 954/620, C. & D. Office.

TABLET Coater required by Midland Manufacturing Chemist. Write stating age and experience to 632/749, C. & D. Office.

TABLET MAKER required to take charge of modern factory, South London. Good salary and prospects. 955/650, C. & D. Office.

T. F. BRISTOW & CO., LTD., Colindale, London, N.W.9, require Representative for Yorkshire and North Lincolnshire. Applicants must have a thorough knowledge of Trade, Territory and be resident on the ground—preferably in Leeds. Excellent post-war prospects for the right man. Terms—Salary, commission and expenses.

T. F. BRISTOW & CO., LTD., Colindale, London, N.W.9, require Representative for Wales, border counties of Shropshire, Hereford and Monmouth. Applicants must have a thorough knowledge of Trade, Territory and be resident on the ground—preferably in Cardiff. Excellent post-war prospects for the right man. Terms—Salary, commission and expenses. expenses.

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WELL-KNOWN London firm of Pharmaceutical Manufacturing Chemists requires Pharmacist of supervisc a section of production. Permanent position, good prospects. Apply in writing with full particulars to 952/543, C. & D. Office.

WHOLESALE Distributors of quick-selling Quota and non-Quota lines require Representatives in all parts of the Country except Scotland calling on Chemists, Hairdressers and Stores. Liberal commission and existing accounts handed over. Reply stating ground covered. 955/656, C. & D. Office.

WOMAN to take charge of small department packing Medicines, etc. State age, experience and wages required. 954/622, C. & D. Office.

WOMAN Assistant required for Analytical Laboratory at a Works in West Suffolk. Qualification required Ph.C. or B.Pharm. standard. Particulars to Stafford Allen & Sons, Ltd., 20 Wharf Road, London, N.1.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

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PART-TIME Employment (no Saturdays) wanted by unqualified lady with dispensing experience, in the vieinity of Ilford, East London, or near. 955/655, C. & D. Office.

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COSMETICS and Perfumery, etc. Miss L. E. Sargent—20 years' experience with Coty

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(England) Ltd.—seeks re-engagement either as Buyer
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COSMETIC CHEMIST, Expert in formulating and
manufacturing of modern Cosmeties, and Perfumes, initiative worker desires responsible position.
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PREE March 14, Gentleman, age 38. married;
8 years' retail experience. Unqualified, 4 years
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PHARMACIST, 35, with excellent experience in
large-scale Manufacturing, desires responsible
position with reputable Company, preferably in
London area. Sound knowledge Packaging, Factory
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REPRESENTATIVE, at present covering South-West, South Wales, Woreester, Glos, Staffs, Warwick, Shrops, desires change and seeks position with reputable House; 12 years Retail Pharmaey, 3 years Office routine, 3 as Representative. Age 36; free in March; ex R.N.V.R. Tomkins, Ghaucton-bury, Charlton Kings, Cheltenham.

WELL Educated Man (32), demobilised, requires progressive position as Buyer or Export Manager. Six years' experience Buying and Shipping everything of interest to Manufacturing Chemist. Kecton, 49 Wellmeadow Road, London, S.E.13.

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A SSISTANT PHARMACIST requested with the second process of the sec

DISPENSER, Lady (unqualified) required production of the productio

LECTURE ASSISTANT required istry Dept., University College, to help with experiments and assist Must have seience degree or be of degree in Chemistry. Applications, stating itions, experience, etc., to the Estal Officer, University College, London. Street, W.C.1).

PHARMACIST at St. Andrew's Billerieay, Essex. Non-resident. M.P.S. Salary £300 per annum plus w Apply Medical Superintendent.

PHARMACIST COLONY, BOTLEYS CHERTSEY,

Applications invited from qualified we above position at Colony for mental colony dispensary is at present mental mental mental colony dispensary is at present mental men Hospital and the successful candidat lil required to work under the Chief Pharn state of assist generally, until such time as dispensaries are separated.

Commencing salary according to experience, on seale 2250 x 210—2300 p plus war bonus at present 18s. 6d. pe Apply to Medical Superintendent.

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Applications are invited for the qualified Assistant Pharmaeists (mal above Hospital. Salary from \$220 \(\frac{1}{2} \) according to qualifications and explications, giving full particulars at panied by recent testimonials, should forthwith, to the Pharmaeist, St. Bartl Hospital, E.C.1.

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VERALLS MENTAL HOSPITAL

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ISTANT PHARMACIST (Male) required; ry at present £300 per annum, plus war is £60; pensionable post. Apply, giving qualifications, etc., to the Medical Superident.

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of Demonstrator in Pharmacy. Duties to as soon as possible. Applicants should a qualification of the Pharmaceutical ty of Great Britain or a University Degree armacy.

ary according to qualifications. e post permits of some research work or need studies being undertaken. Applicagiving full particulars of age, training,
feations and experience, and other relative
nation, together with the names and
sses of three referees, should be forwarded
cundersigned not later than March 12, 1946.
W. THOMPSON,
Director of Education

Director of Education. hn Street,

underland, co. Durham.

URREY COUNTY COUNCIL

ST. LUKE'S HOSPITAL, GUILDFORD

STANT PHARMACIST, Temporary, must P.S. or Ph.C. Salary £250 x £10 £300 p.a. onus 23s. per week (male), 18s. 6d. per week le). Apply to Medical Superintendent.

IPORARY ASSISTANT PHARMACIST required by MIDDLESEX COUNTY (CVCIL at CHASE FARM HOSPITAL, Ed. d, Middlesex. Applicants must hold one of placeutical Society's qualifications. Received the commencing salary £260 p.a. plus cost of line bonus (now £60 p.a.). Whole-time under Medical Director and Chief Pharmacis Amplications, stating age quals experised.

Applications, stating age, quals., exper., ng copies of up to 3 recent testimonials, to CAL DIRECTOR of Hospital. Applicarms not provided. Male candidates should position with regard to military service.

MUNICIPAL GENERAL (ST. LUKE'S) HOSPITAL, BRADFORD

ICATIONS are invited from qualified for the post of Junior Assistant Pharma-reference will be given to candidates with aceutical Degree or Ph.C. Diploma. £260+war bouus £48 2s. per annum. ations to the Medical Superintendent, and Municipal General (St. Luke's) Hospital.

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(110 Beds)

Ap ations are invited for the appointment of Phr acist; experience of Pathological work an adv age. Commencing salary will be within the H.A. scale. Federated Superannuation the holds of the property of the in force. Applications, stating age, ations, and giving full particulars of nee, together with copies of three recent mals, to be sent to the undersigned as possible.

T. W. LYMER, Secretary-Superintendent.

WILLESDEN GENERAL HOSPITAL

HARLESDEN ROAD, LONDON, N.W.10.

APPLICATIONS are invited for the post of Assistant Pharmacist (lady). Salary £300 per annum, with lunch and tea, superannuation and uniform. Apply, with full particulars and references, to General Secretary.

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A GENTS wanted on good commission basis to sell fancy goods, plastic cosmetic bags, etc. Highest references essential. Replies Box No. 670, Dorland, 18/20 Regent Street, S.W.1.

DUBLIN Pharmaceutical distributors with large connexious among Chemists through the second services of the second services among the second second services among the second services among the second sec

DUBLIN Pharmaceutical distributors with large connexions among Chemists throughout Eire and Northern Ireland, open to take up further Agencies for reputable Pharmaceutical Products, Tollet Preparations and Sundries for distribution to the Pharmaceutical Trade. 955/642, C. & D. Office. IRE Wholesale Chemists, good connexion Dublin. and provinces seeks Agencies for reputable firms. Boring Chemical Co., 12 Burgh Quay, Dublin. IVE Agent, previously Sales Manager to leading proprietory medicine house, and at present representing well-known firm in London and Southern Counties. desires one additional agency for house of representing well-known irm in London and Southern Counties, desires one additional agency for house of repute. Advertiser, who has important connexions throughout the United Kingdom, is prepared to undertake coverage for whole country and will guarantee satisfactory results in return for sole representation. Excellent credentials and financial standing. 955/632, C. & D. Office.

I ONDON firm of Agents and Distributors with

Country-wide connexions amongst Chemists, Hairdressers and Stores are open to handle new lines from actual manufacturers. Specialists in Toilet Preparations and Cosmetics. Bankers' and Solicitors' references. 955/657, C. & D. Office.

WELL Connected Trading Company, South Wales, seeks contact with Manufacturers of Toilets and Sundries with a view to purchasing stocks or

seeks contact with Manufacturers of Toilets and Sundries, with a view to purchasing stocks or sole agency terms. 954/628, C. & D. Office.

WHOLESALE Chemists require well introduced Agent calling on Chemists for quick-selling lines. 954/630, C. & D. Office.

Open Wholesale accounts in Hairdressing, Chemist and Fancy Goods trades, etc. Manufacturers' Agent seeks additional Agency with reputable firm. All accounts called on regularly. reputable firm. All accounts called on regularly. 955/654, C. & D. Office.

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ET us pack for you all kinds of Liquids, Powders.
Tablets; give us bulk, we give you the finished article; also may be able to help packing difficulties; bottles, jars, etc. 943/233, C. & D. Office.

OLD-ESTABLISHED Specialists in the manufacture of Proprietary Products offer a comprehensive service covering manufacturing, tableting, packing and despatches of proprietary and other products. Please give brief details of requirements and products in confidence. Box 700, Hannaford & Goodman, Ltd., 69 Fleet Street, London, E.C.4.

OLD-ESTABLISHED Manufacturing Chemists with close connexions with all hospitals in England, Scotland and Wales have excellent opportunities for marketing tested products or articles. References will be submitted on receipt of preliminary details to 955/646, C. & D. Office.

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HOP Premises to be let for a Chemists establishment in a busy shopping area (Pelestablishment in a busy shopping area (Bakers Arms) adjacent to Consulting Opticians. Write for details to Mr. Smallsman, 3 Ashstead Road, E.5, or telephone (daytime) Bishopsgate 7877 or (evening) Stamford Will 2077 Hill 2077.

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RGENTINE—Pharmaceutical and chemicals, drugs, essential oils, raw materials—Well-established firm wishes to represent on commission basis British Manufacturers or producers; bank and trade references. Offers to S. Cusmano,

mission basis British Manufacturers or producers; bank and trade references. Offers to S. Cusmano, Humaita 6918—Buenos Aires.

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PHARMACEUTICAL firms which are not yet represented in Iraq are invited to communicate with Faiha Drug Co.. Ltd., Khan Haj Daud Sefafir Street, Baghdad, Iraq. Remarkable turnover guaranteed. Very excellent bank and business references on demand.

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ROR Disposal, business, main road, near Manchester, at present run partly as Drug-store; excellent opportunity for a Chemist, smart, large shop, with sufficient room for Optical work; very good living accommodation. 955/638, 6. & D. Office.

MIDLANDS. Fine old-established Chemists' Business for sale. Central, spacious shop, beautifully fitted, up to date, well stocked. All cash and full wine licence, with or without freehold property. Full particulars given from properly audited books at interview. Apply 953/566, C. & D. Office. Office.

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EIRE. An English Chemist (M.P.S. Lond.) who is desirous of residing in Eire, preferably in or near Dublin or Cork, would like to contact Irish Chemists already in business, or otherwise, with the view of partnership; would invest up to £1,500. 955/639, C. & D. Office.

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954/608, C. & D. Office.

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TILLIER. PARKER, MAY & ROWDEN,
Surveyors and Valuers, 77 Grosvenor Street,
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WANTED, Herbalist or Drug Stores, with living accommodation; London or Home Counties preferred. Takings not less than £50 weekly. Please send details in strict confidence to W. Foster, 141 Station Road, Herne Bay, Kent.

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A UTOMATIC Cream Filler wanted at on big price paid. Shavex Co., Bavaria Road olloway, N.19.

MANUFACTURING Chemists wish to buy psin Powder, Gran. or Scales. State q price and strength to 955/647, C. & D. MICROSCOPES. We do not pay high profess are the best in the trade. If you dependable overhauled microscope, consult uncriticism in ten years, and that speedily rethat is our record. Wallace Heaton, Ltd. visitism in ten years, and that speedily rethat is our record. Wallace Heaton, Ltd. visit for Mr. Cole), 127 New Bond London, W.1.

DOTASSIUM Bromate, Ammonium Sulph tals, Trisodium Phosphate, Triethan Wanted, small and large quantities for he export; also 100 gross 2-oz. and 3-oz. bottles Send sample. "J" Products, 22 Queen Street Last. CULPHONATED Fatty Alcohol Powder in ton lots immediately. 946/342, (b) Office.

Office

Office.

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IRGENTLY WANTED up to 500 gross train the corts. The control of the corts of the corts. The corts of the corts of the corts of the corts of the corts. The corts of the corts.

diate cash payment. Campbell, 2 Shepher rect.

Mayfair, W.1.

WANTED. 1-oz. bottles, small or large quities machine made. Highest cash paid.

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WANTED to purchase Menthol, Vanilli Marketone, Essential Oils. Offers invite. B. Acctone, Essential Oils. Offers invite. B. Acctone, Essential Oils. Offers invite. Parks, 9 Gt. Pulteney Street, London, W.1.

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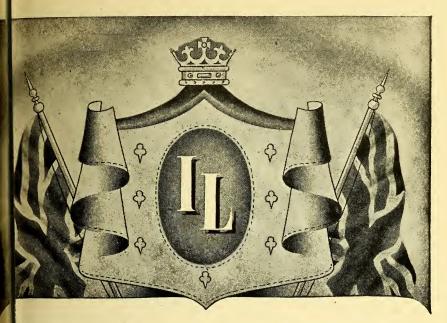
18.000 Barrington, Hannan & tons

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TRADE MARKS

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THE Trade Mark SELTO No. 512668 regi respect of a salt tooth powder, was as January 21, 1946, by Arthur Moss and Checkley trading as Andrews Dental Co. of Road, Hampden Park, Eastbourne, to Selbourne) Ltd. of No. 2 The Triangle, Hampden Pastbourne, without the goodwill of the buwh ch it was then in use.

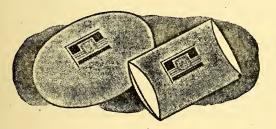


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